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An Assessment of the Supplies of Natural Gas and Fuels for Generating Electricity in Ohio From July 1980 - June 1981

Presented to

Governor James A. Rhodes

Ohio Legislature

Public Utilities Commission of Ohio

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Ohio Department of Energy
Robert S. Ryan, Director

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and Fuels for Generating Electricity in Ohio
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AN ASSESSMENT OF THE SUPPLIES OF NATURAL GAS AND FUELS FOR GENERATING ELECTRICITY IN OHIO

SUMMARY

Section 4905 of the Ohio Revised Code requires that on July 1 and November 1 of each year Ohio's natural gas and electric utilities report forecasts of their projected fuel supply and demand for the ensuing twelve-month period. The statute further requires that the Ohio Department of Energy (ODOE) review each report and compare it to the Department's independently generated forecasts. This report represents ODOE's assessment of these individual forecasts and provides an aggregate forecast of Ohio's natural gas and electricity supply/demand outlook for the period July 1, 1980 through June 1, 1981.

Electricity

Consumption of electricity in the state declined in the twelve month period ending May 1980, as it had the previous year. Consumption was down 1.4 percent when compared to the year ending May 1979. The causes of the decline are weather, conservation, and the economy. Forecasts for the coming year for electric demand indicate growth of less than two percent. However, unless the economy recovers quickly from the current recession, any growth in electric demand is highly unlikely.

The projected supply of coal and oil for electric generation is adequate under normal circumstances. Since the United Mine Worker's contract will expire in March next year, a higher than normal level of coal inventory is encouraged by the Ohio Department of Energy to all coal-using facilities, and electric utilities in particular.

Natural Gas

Available supplies of interstate natural gas have stabilized over the course of the 1978-1979 and 1979-1980 heating seasons, due to the impact of the Natural Gas Policy Act of 1978. The Act deregulated the price of some interstate natural gas immediately, and mandates the deregulation of all interstate natural gas by the end of 1982. It is anticipated that supply of the interstate natural gas supply will be adequate. Even if the current disruption of supply of Algerian LNG were to continue through the heating season, no significant impact upon the supply of natural gas is indicated. In the event of 10 percent colder than normal weather, a minor deficiency may result. This deficiency can be met by the purchase of emergency natural gas and additional conservation measures.

INTRODUCTION

This report has been prepared by the Ohio Department of Energy pursuant to Section 4905.14 (E) of the Ohio Revised Code. The statute requires the Department of Energy to provide a summary, analysis and recommendations based on the Ohio public utilities' energy supply and demand projections for the twelve-month period beginning July 1, 1980. In accordance with Section 4905.14 (D), a copy of each utility's July forecast was submitted to the Governor, Clerk of the Senate, the Legislative Clerk of the House of Representatives, and the Public Utilities Commission of Ohio on July 10, 1980. The utilities' forecasts and historical data are the primary input for this report. Several other sources of information have also been used, i.e. historical energy data developed by the Ohio Department of Energy; federal energy reports; publications from the American Gas Association; and the Electric Power Research Institute; and others. A substantial and successful effort has been undertaken to develop a comprehensive data base and at the same time maintain the ability to provide timely analyses and forecasts.

Objectives

In the preparation of this report, the Ohio Department of Energy set forth the following major objectives:

1. To provide an adequate historical, energy-related data profile for identification of current status and future trends;
2. To provide analysis and interpretation of changes in energy supply and demand;

3. To provide an independent assessment of the adequacy of natural gas and electric energy supply for the upcoming twelve months; and
4. If a potential deficiency between supply and demand is identified, to suggest a strategy for implementation in order to prevent or mitigate any interruption or curtailment of service.

The basis for the information to be evaluated is supplied in part by the reports filed with the Ohio Department of Energy, federal reports, and the research and analysis of the Ohio Department of Energy.

Energy Supply Outlook

Utility projections indicate that the supply of coal and fuel oil for the generation of electricity will be satisfactory over the next twelve month period. The supply of natural gas for the generation of electricity is less satisfactory due to the current unavailability of liquified natural gas (LNG) from Algeria.

The projected supply of coal for electricity generation increases in each month through March, 1981 for the majority of utilities. As of March, 1981 many utilities estimate over ninety days coal supply, the recommended level in the event of a potential supply disruption. Anticipation of a potential coal strike resulted in this coal supply buildup. It currently appears, however, that a coal strike is unlikely. As a result of potential reductions in coal supply that would accompany a strike, some utilities project reduced coal stocks after March, 1981. Projected days supply of coal of utility groups is in each case above seventy days. The Ohio Department of Energy will encourage all electric utilities to achieve a ninety day supply of coal, unless there is strong indication of a strike settlement prior to the end of 1980.

The projected supply of oil for electricity generation is lower than it was in the preceding year. Fuel switching and conservation by the utilities have resulted in an equal reduction in fuel oil consumption during the first six months of 1980. Given that the utilities have demonstrated an ability to cope with lower supply levels of fuel oil, it appears that sufficient supplies of fuel oil for electricity generation are available.

Utilities' natural gas supply projections for the next twelve months indicate an increase of six percent over one year ago. Projections by Columbia Gas of Ohio do not take into account the current disruption in deliveries of Algerian liquified natural gas (LNG), however. Even supplies of LNG continue to be cut off, there will be three percent more natural gas supply than was available in the preceding year. The supply disruption stems from Algeria's demand that the price of LNG established by the current contract be tripled. Negotiations are proceeding, and it currently appears that an agreement is near. Even if the winter is ten percent colder than normal, and an agreement on LNG does not materialize, it is unlikely that any curtailment of natural gas deliveries will be required. The probability of any supply deficiencies is minimal because historical data show declining demand for natural gas in the residential and commercial sectors, and no growth in demand in the industrial sector. It is anticipated that Algerian LNG will be available by the time the next fuel assessment report is prepared.

Temperature and Energy Consumption

In studying short-term energy consumption behaviors for the three major sectors of consumers (i.e. industrial, commercial and residential)

the observed changes in the sectoral annual energy requirements may be explained by a variety of causal events. Temperature is a variable which explains much of the observed variation. It is particularly important in the residential and commercial sectors where, during summer and winter periods, the requirements for electricity and natural gas are used to maintain comfortable room temperatures.

Two indicators which measure temperature sensitive energy requirements are heating degree days and cooling degree days. The daily mean temperature is obtained by adding together the maximum and minimum temperatures reported for the day and dividing the total by two. When the daily mean temperature is 65° F, the degree day is zero. Each degree of mean temperature below 65° F is counted as one heating degree day. This indicator is convenient because the amount of heat required to maintain a certain temperature level is proportional to heating degree days.

The cooling degree days are defined similarly: each degree of mean temperature above 65° F is counted as one cooling degree day. If the daily mean temperature is 65° F or lower, the cooling degree day total is zero.

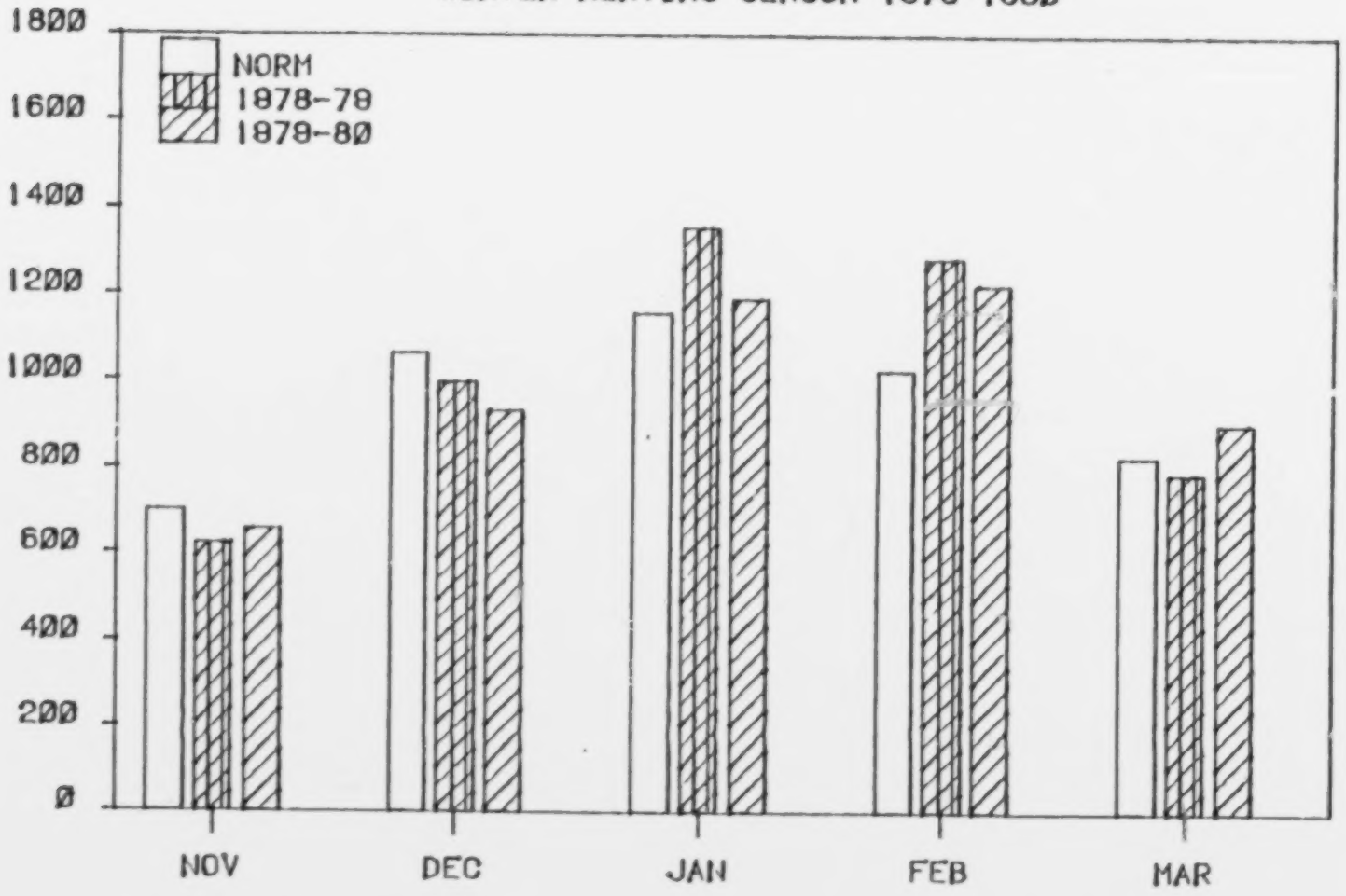
Since most homes and commercial buildings in Ohio are heated by natural gas, the reporting utilities are required to submit supply and demand forecasts under a normal winter scenario and a ten percent colder than normal winter scenario. In addition, the relationship between natural gas consumption and heating degree days is closely monitored by ODOE during the winter heating season (from November through March). Table 1 and Figure 1 show, for the past two heating seasons, population-weighted state heating degree day summaries. In addition, a normal heating degree

Table 1 Population-Weighted State Heating Degree Days (Winter 1979-1980)

Week Ending Date	1979-1980			Norm			1978-1979		
	Weekly	Cum. for Month	Cum. from Nov.1	Weekly	Cum. for Month	Cum. from Nov.1	Weekly	Cum. for Month	Cum. from Nov.1
Nov. 4	67	67	67	69	69	69	53	53	53
11	167	234	234	141	210	210	117	170	170
18	173	407	407	162	372	372	125	295	295
25	97	504	504	183	555	555	177	472	472
30	151	655	655	146	701	701	151	623	623
Deviation from Norm		-6.6%	-6.6%					-11.1%	-11.1%
Dec. 2	61	61	716	58	58	759	61	61	684
9	208	269	924	223	281	982	182	243	866
16	194	463	1118	239	520	1221	240	483	1106
23	220	683	1338	250	770	1471	213	696	1319
30	213	896	1551	256	1026	1727	256	952	1575
31	38	934	1589	37	1063	1764	43	995	1618
Deviation from Norm		-12.1%	-9.9%					-6.4%	-8.3%
Jan. 6	226	226	1815	224	224	1988	261	261	1879
13	273	499	2088	261	485	2249	357	618	2236
20	198	697	2286	262	747	2511	303	921	2539
27	287	984	2573	261	1008	2772	258	1179	2797
31	203	1187	2776	149	1157	2921	175	1354	2972
Deviation from Norm		2.6%	-5.0%					17.0%	1.7%
Feb. 3	153	153	2929	111	111	3032	131	131	3103
10	315	468	3244	257	368	3289	385	516	3488
17	307	775	3551	252	620	3541	373	889	3861
24	206	981	3757	243	863	3784	251	1140	4112
29	244	1225	4001	164	1027	3948	144	1284	4256
Deviation from Norm		19.3%	1.3%					25.0%	7.8%
Mar. 2	97	97	4098	66	66	4014	57	57	4313
9	234	331	4332	214	280	4228	170	227	4483
16	215	546	4547	197	477	4425	222	449	4705
23	168	714	4715	177	654	4602	177	626	4882
30	169	883	4884	156	810	4758	140	766	5022
31	19	902	4903	19	829	4777	24	790	5046
Deviation from Norm		8.8%	2.6%					-4.7%	5.6%

Source: National Weather Service, Port Columbus.

FIGURE 1 POPULATION-WEIGHTED STATE DEGREE-DAYS FOR OHIO
WINTER HEATING SEASON 1978-1980



Prepared by the Ohio Department of Energy.

day series, defined as the 30 year average of the years 1941 to 1970 is presented.

Rules and Requirements for This Report

The administrative rules and forecasting requirements (OAC 1551:1-4 and 1551:1-5) became effective November 1, 1978. The present forecasting reports submitted by electric and gas utilities are in accordance with these rules.

It is necessary to differentiate between state energy consumption and production totals and the reporting utilities' totals. This is because the municipal utilities, industrial facilities and the rural electric cooperatives are not required to file the semi-annual report. This difference is actually very small (estimated to be about 6 percent for the electric figures and 0.5 percent for natural gas excluding self-help gas).

Ohio Department of Energy Forecasts

As part of its analysis, the Ohio Department of Energy makes independent forecasts to serve as validation checks. Early identification of severe conditions permits advanced planning to avert possible undesirable consequences.

The Ohio Department of Energy has the capability to forecast monthly demand by utility and for the state as a whole within a reasonable level of error (less than 5 percent in most cases). Such forecasts are based on historical month-by-month actual consumption for both electricity and natural gas and other appropriate variables such as population, income, and temperature data. As in any forecast, certain important socio-economic conditions are assumed in the Ohio Department of Energy forecasts.

These assumptions are stated below:

1. Energy demand generally follows its historical consumption pattern.
2. Socio-economic changes are minimal in affecting demand for energy in the short run.
3. The observed level of conservation will remain in effect.
4. Other specific assumptions are stated where appropriate.

Overview of This Report

The rest of the report is divided into two parts: electric energy and natural gas. Materials contained in these two parts are, for the most part, parallel in arrangement. They contain: (a) a profile of reporting utilities; (b) historic sources of supplies/suppliers; (c) consumption history by sector, utility, and state; and (d) the utilities' forecasts and independent forecast by the Ohio Department of Energy. For the purpose of better illustration, the data are frequently displayed graphically.

ELECTRIC ENERGY

This section is based on the July forecasts filed by five groups of the major Ohio electric utilities. These groups are:

1. CCD - Cincinnati Gas and Electric (CG&E)
   Columbus and Southern Ohio Electric (C&SOE)
   Dayton Power and Light (DP&L)

2. CAPCO - Cleveland Electric Illuminating (CEI)
   Ohio Edison (OE) (and its subsidiary Pennsylvania Power)
   Toledo Edison (TE)
   Duquesne Light (not subject to reporting)

3. American Electric Power Company (AEP)
   Ohio Power Company (OP)
   Other out-of-state utilities not subject to reporting

4. Allegheny Power System (APS)
   Monongahela Power (MP)
   Other out-of-state utilities not subject to reporting

5. Ohio Valley Electric Corporation (OVEC)

The utilities within groups 1 and 2 own many power generation units in common. These commonly owned units are usually operated by the utility having the largest ownership share. The electric energy generated from such units is distributed to the utilities according to ownership share percentages. Thus, in making an electric fuel assessment, it is not only important to review individual utility's level of supply but also the level of supply as a group.

Groups 3 and 4 are holding companies of many utilities. Each group has a centralized power generation and distribution center that coordinates generation for the entire system. Given these circumstances, the emphasis of fuel assessment has been placed on the entire system.

Group 5 is a single purpose utility: its main function is to supply power for the uranium enrichment plant at Portsmouth. However, it does sell

surplus capacity to many publicly owned utilities.

Although the Columbus and Southern Ohio Electric Company is now a member of the AEP system, its power generation and distribution have not yet been integrated with the AEP central system. Therefore, in this report, Columbus and Southern Ohio Electric is still treated as a member of the CCD group.

Source/Supplier of Fuel for Electric Generation

Fuels used in Ohio for electric generation include coal, oil, natural gas and nuclear fuel. At this time, nuclear fuel is not monitored by ODOE; all other fuels are monitored through the utilities' monthly reports. Tables 2 and 3 list coal and oil deliveries to power plants located in Ohio. The main sources of supply and/or suppliers of these fuels remain the same as in the last reporting period.

The amount of coal and oil deliveries to Ohio plants in the first five months of 1980 is lower than during the same period a year ago. The reason for that is an anticipated drop in the demand for electricity.

Electric Generation by Type of Fuel

Coal is the main source of fuel for electric generation in Ohio, and its position is not expected to change in the foreseeable future. In 1979, 96 percent of total electricity generated in Ohio was from coal, an increase of 1 percent over a year ago; oil-generated electricity accounted for 1 percent, a reduction of 1.6 percent from a year ago; and nuclear generated electricity accounted for 3 percent, an increase of 1 percent over a year ago. The amount of electricity generated from natural gas is very small compared to total generation. A second nuclear plant, the Zimmer plant owned jointly by the

Table 2. Source of Coal Supplies to Electric Utilities
(Ohio Portion)

(In Thousand Short Tons)

	Coal Districts								
Month	1	2	3	4	6	7&8	9	Other	Total
1978									
JAN	4.8	52.2	11.5	137.4	7.2	275.9	1.4	169.0	659.4
FEB	8.3	51.1	9.7	153.8	0.7	316.3	---	257.8	797.7
MAR	20.1	173.3	52.0	1,057.9	11.7	624.0	1.6	619.8	2,560.4
APR	35.8	187.2	88.6	2,834.4	263.3	828.0	111.5	525.5	4,874.3
MAY	21.0	251.4	111.9	2,906.4	321.0	944.2	121.5	494.4	5,181.8
JUN	18.3	260.1	107.4	2,993.4	257.0	1,067.3	140.6	416.9	5,261.0
JUL	25.1	353.6	86.1	2,292.5	174.8	1,059.9	119.3	475.4	4,586.7
AUG	10.2	141.2	58.1	1,946.6	217.2	1,030.8	155.7	472.8	4,032.6
SEP	18.0	207.9	86.1	2,361.7	234.8	921.2	129.9	283.4	4,243.0
OCT	51.5	200.7	98.3	2,508.1	310.3	998.1	112.5	179.5	4,559.0
NOV	41.1	185.4	77.1	2,627.0	230.9	1,197.9	156.8	314.9	4,831.1
DEC	12.9	145.5	73.1	2,290.5	223.5	1,121.2	75.3	338.3	4,280.3
TOTAL	267.1	2,219.6	859.9	24,209.7	2,252.4	10,384.8	1,126.1	4,547.7	45,367.3
% of Total	0.6	4.8	1.9.	52.8	4.9	22.6	2.5	9.9	
1979									
JAN	----	176.9	45.2	2,296.6	241.5	1,026.7	129.6	392.0	4,308.5
FEB	5.7	103.4	52.7	2,124.4	237.9	901.7	124.5	285.6	3,835.9
MAR	.5	158.0	60.4	2,516.0	313.8	1,172.8	149.4	231.7	4,602.6
APR	32.6	143.3	76.7	2,207.3	276.0	1,405.5	107.7	334.0	4,583.1
MAY	3.0	106.8	75.4	2,425.0	358.0	1,340.1	143.2	371.0	4,822.5
JUN	10.2	120.7	83.1	2,369.5	356.3	1,336.7	135.8	388.8	4,801.1
JUL	6.5	105.7	62.6	1,874.7	173.7	785.2	134.6	425.0	3,573.0
AUG	6.5	81.2	68.0	2,469.7	295.3	1,242.4	196.2	333.5	4,592.8
SEP	1.0	148.1	75.5	2,229.4	285.5	1,171.9	92.0	309.8	4,313.2
OCT	1.0	100.1	63.2	2,382.9	484.5	1,228.1	112.6	296.6	4,569.0
NOV	.5	162.4	25.4	2,263.8	286.4	1,398.2	128.4	251.1	4,516.2
DEC	----	158.9	17.6	2,099.3	289.9	1,370.7	120.7	29.5	4,086.6
TOTAL	67.5	1,565.5	705.8	27,258.6	3,603.8	14,380.0	1,574.7	3,648.6	52,804.5
% of Total	0.1	3.0	1.3	51.6	6.8	27.2	3.0	6.9	
1980									
JAN	----	210.9	27.0	2,202.8	327.2	1,140.8	131.5	316.8	4,357.0
FEB	----	136.3	46.9	1,872.3	500.9	964.9	100.1	216.8	3,838.2
MAR	----	200.4	34.8	2,114.1	126.9	1,485.5	94.6	356.6	4,412.9
APR	----	254.1	44.7	2,096.0	215.9	1,216.8	66.1	200.8	4,094.4

District

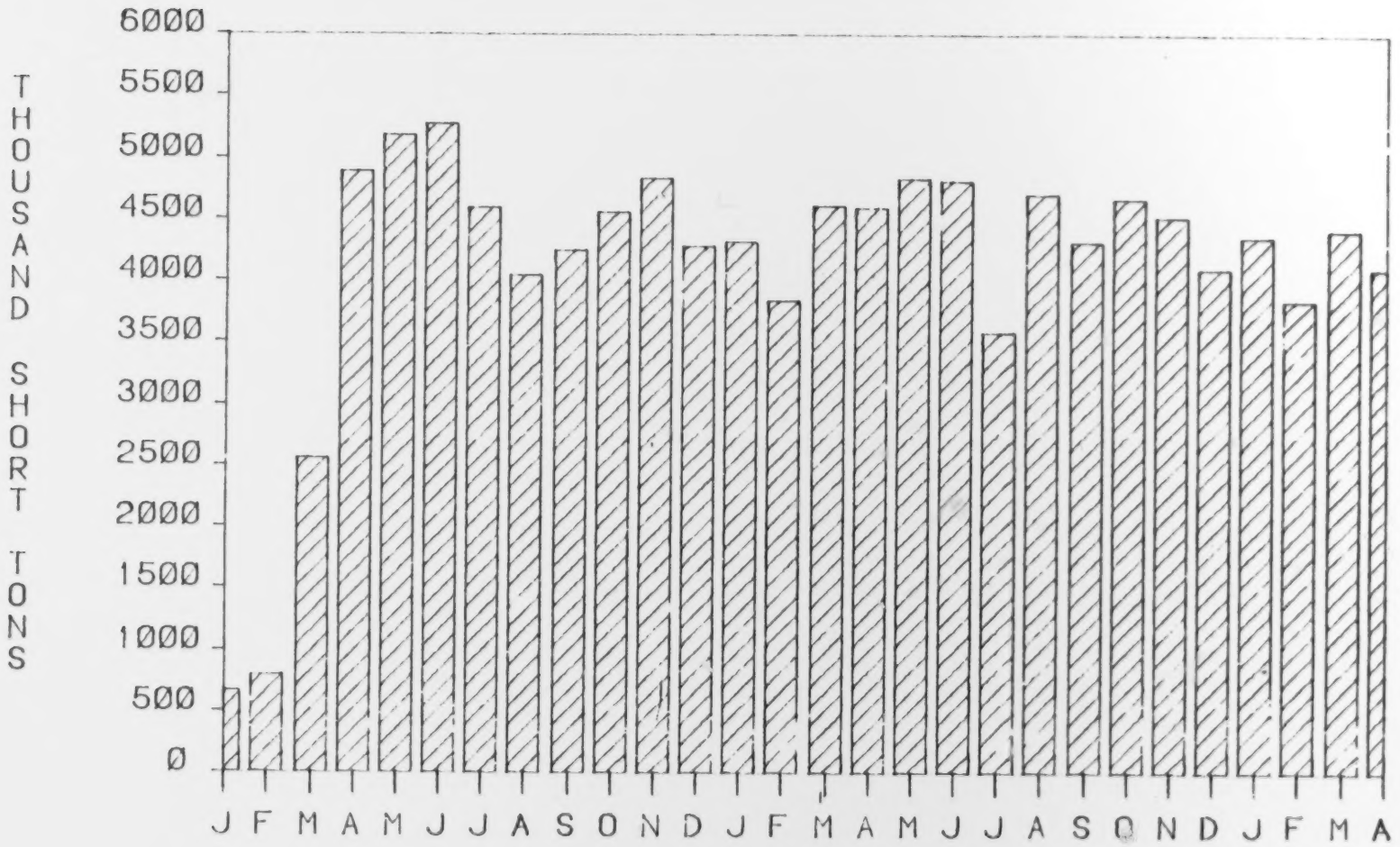
1. Eastern Pennsylvania
2. Western Pennsylvania
3. Northern West Virginia
4. Ohio
6. Panhandle in W. Virginia and Ohio
7. Southern No. 1 (in W. Virginia and Virginia)
8. Southern No. 2 (in W. Virginia, Virginia and Eastern Kentucky)
9. Western Kentucky

Other - Primarily from Wyoming and Utah

(For details, see Keystone Coal Industry Manual, 1977 by McGraw Hill)

Source: Ohio Electric Utilities' FPC Form 423 and the Ohio Department of Energy.

FIGURE 2. MONTHLY COAL DELIVERIES TO POWER PLANTS IN OHIO
(JANUARY 1978 - APRIL 1980)



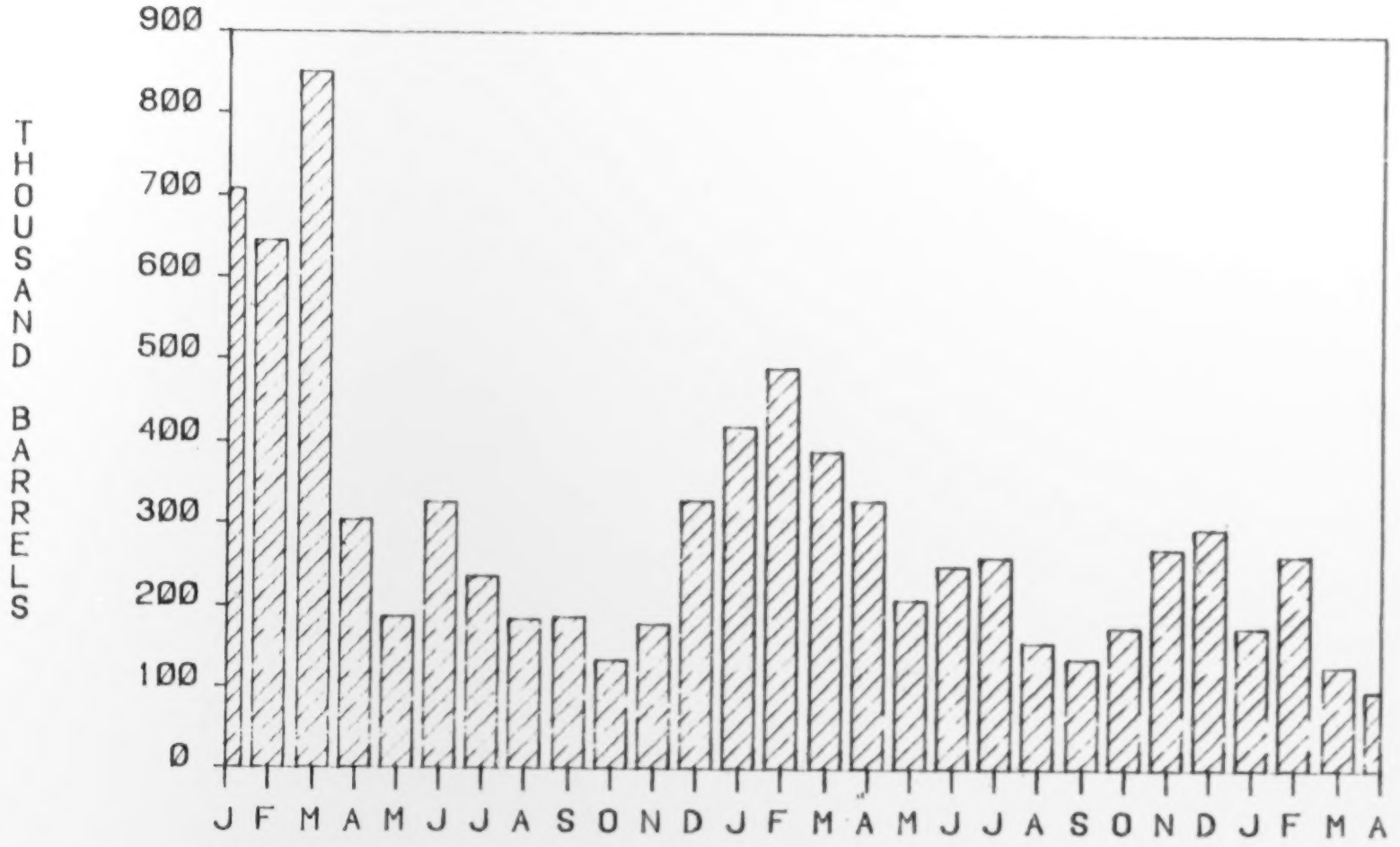
Prepared by the Ohio Department of Energy.

Table 3. Major Oil Suppliers to Electric Utilities (Ohio Portion)
(Thousand Barrels)

Month	Allied	Marathon	McCarty	Standard	Union	Other	Total
1978							
JAN	607.4	7.3	13.3	67.6	3.1	62.1	706.8
FEB	543.5	7.2	2.3	27.9	5.2	57.7	643.8
MAR	588.1	11.4	86.4	47.0	10.1	108.2	851.2
APR	214.0	----	1.9	21.5	6.0	60.0	303.4
MAY	150.7	2.2	0.2	22.5	7.3	1.3	184.2
JUN	281.1	1.0	----	17.6	9.0	16.1	324.8
JUL	209.3	1.5	3.5	14.8	4.4	1.6	235.1
AUG	161.9	1.5	----	12.5	4.8	1.9	182.6
SEP	153.3	1.6	0.2	20.0	7.0	3.6	185.7
OCT	105.4	1.2	----	16.1	4.9	4.9	132.5
NOV	144.0	.7	----	11.8	7.6	12.5	176.6
DEC	305.5	3.3	----	10.2	8.1	2.1	329.2
TOTAL	3,464.2	38.9	107.8	289.5	77.5	332.0	4,309.9
% of Total	80.4	0.9	2.5	6.7	1.8	7.7	
1979							
JAN	342.3	4.1	0.6	27.1	14.5	29.1	417.7
FEB	357.6	3.2	12.5	41.2	19.5	57.2	491.2
MAR	346.1	1.5	4.6	23.3	12.3	1.6	389.4
APR	289.9	0.8	----	13.1	2.7	20.6	327.1
MAY	172.5	1.5	----	18.0	1.6	12.8	206.4
JUN	206.8	0.4	----	22.5	2.8	16.5	249.0
JUL	236.8	0.2	----	16.6	4.4	0.5	258.5
AUG	120.6	0.4	----	31.8	2.6	----	155.4
SEP	102.7	0.4	----	29.4	2.4	----	134.9
OCT	126.3	9.4	----	30.3	6.1	2.7	174.8
NOV	216.9	1.3	----	34.4	1.9	17.3	271.8
DEC	242.1	0.5	----	46.4	4.8	2.8	296.6
TOTAL	2,760.6	23.7	17.7	334.1	75.6	161.1	3,372.8
% of Total	81.8	0.7	0.5	9.9	2.2	4.8	
1980							
JAN	105.0	0.2	----	49.9	4.2	14.9	174.2
FEB	214.0	0.2	----	44.4	4.2	----	262.8
MAR	73.9	0.4	----	49.9	3.3	.1	127.6
APR	77.4	0.2	----	14.0	4.7	.7	97.0

Source: Ohio electric utilities' FPC Form 423 and the Ohio Department of Energy.

FIGURE 3. MONTHLY OIL DELIVERIES TO POWER PLANTS IN OHIO
(JANUARY 1978 - APRIL 1980)



Prepared by the Ohio Department of Energy.

member utilities of the CCD group, will be on line in 1982. Consequently, a boost in nuclear power generation in Ohio is expected at that time.

Table 4 and Figure 4 show the combined monthly totals of the reporting utilities' net generation from Ohio plants. Historical power plant fuel consumption is displayed in Table 5.

Historical Patterns of Ohio Electric Consumption

In the past decade, electric consumption has developed a different pattern from that of the 1960's or 1950's. The main difference is that the growth of electric consumption no longer follows a straight line model. Beginning with the 1973 OPEC oil embargo, a series of economic and conservation measures have acted upon all sectors of society. The result has been reduced growth rates in the demand for electricity. This is particularly obvious in the residential and commercial sectors. For the last twelve months ending May, total Ohio electric consumption compared to the same period a year ago is down 1.4 percent (see Table 6 and Figure 5). The reduction is attributable to the unseasonably cool summer of 1979, a near normal winter of 1979-80, energy conservation activities and the economic recession.

Electric consumption by the residential and commercial sectors exhibits strong seasonal patterns while the industrial sector fluctuates widely with general economic conditions. Last May for example, industrial electric consumption dipped to the lowest point in recent years, reflecting a severe downturn in the manufacturing industry and more specifically the automobile related industries.

Twelve-Month Electric Energy Demand Forecast

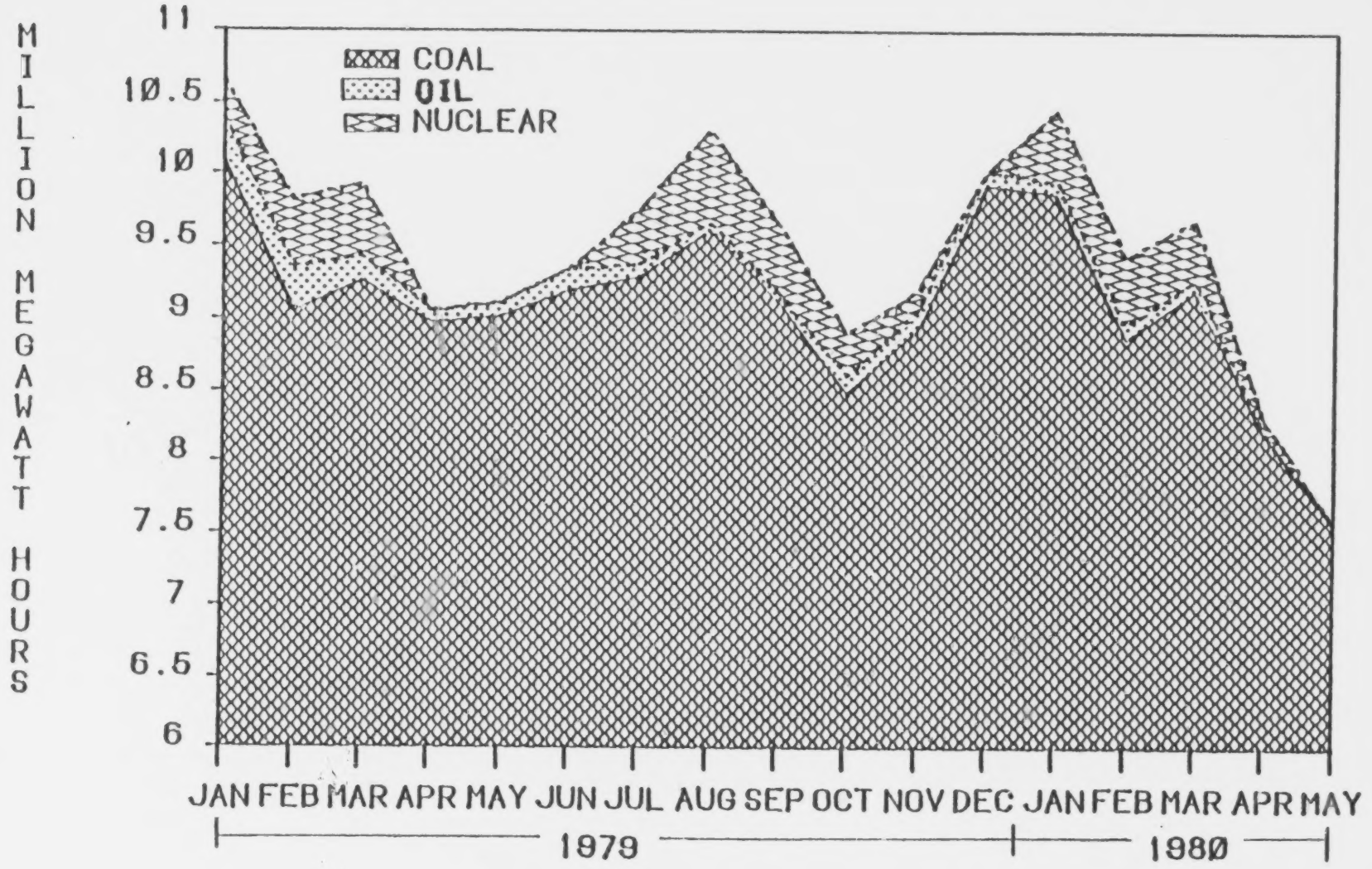
The electric demand forecast is prepared in two ways: 1) a utility by utility forecast is given, each forecast containing total projected demand for the utility's service area, which may or may not be located entirely within

Table 4. Major Ohio Utilities - Net Generation by Type of Fuel (Ohio Portion) (Thousand MWH)

	Coal		Oil		Gas	Nuclear		Total
1978								
JAN	8,565	(91%)	545	(6%)	4	262	(3%)	9,376
FEB	6,807	(89%)	528	(7%)	2	331	(4%)	7,668
MAR	7,034	(88%)	565	(7%)	4	369	(5%)	7,972
APR	7,746	(98%)	184	(2%)	7	0		7,937
MAY	8,933	(99%)	108	(1%)	6	0		9,047
JUN	9,323	(98%)	171	(2%)	8	0		9,502
JUL	8,928	(99%)	75	(1%)	18	0		9,021
AUG	9,889	(97%)	149	(2%)	9	137	(1%)	10,184
SEP	8,874	(96%)	115	(1%)	10	235	(3%)	9,234
OCT	8,124	(98%)	69	(1%)	8	104	(1%)	8,305
NOV	8,582	(94%)	75	(1%)	7	429	(5%)	9,093
DEC	9,387	(96%)	171	(2%)	6	184	(2%)	9,747
TOTAL	102,192	(95.4%)	2,755	(2.6%)	89	2,051	(2%)	107,087
1979								
JAN	10,092	(95%)	296	(3%)	9	260	(2%)	10,656
FEB	9,042	(92%)	315	(3%)	10	458	(5%)	9,825
MAR	9,263	(93%)	167	(2%)	6	505	(5%)	9,940
APR	8,965	(99%)	87	(1%)	5	0		9,057
MAY	9,016	(99%)	94	(1%)	8	0		9,118
JUN	9.205	(98%)	140	(2%)	7	0		9,352
JUL	9,291	(95%)	78	(1%)	8	389	(4%)	9,766
AUG	9,613	(93%)	57	(1%)	3	642	(6%)	10,316
SEP	9,127	(94%)	59	(1%)	6	478	(5%)	9,669
OCT	8,481	(95%)	119	(1%)	11	304	(3%)	8,915
NOV	8,922	(97%)	141	(2%)	20	128	(1%)	9,210
DEC	9,937	(99%)	93	(1%)	11	0		10,040
TOTAL	110,954	(96%)	1,646	(1%)	104	3,164	(3%)	115,868
1980								
JAN	9,863	(94%)	92	(1%)	14	501	(5%)	10,472
FEB	8,865	(94%)	94	(1%)	13	480	(5%)	9,453
MAR	9,192	(95%)	81	(1%)	14	419	(4%)	9,706
APR	8,204	(99%)	11	(0%)	5	99	(1%)	8,320
MAY	7,565	(100%)	27		8	0		7,600

Source: Ohio electric utilities' FPC Form 4 and the Ohio Department of Energy.

FIGURE 4 MAJOR OHIO ELECTRIC UTILITIES NET GENERATION BY TYPE OF FUEL (OHIO PORTION)



SOURCE: OHIO DEPARTMENT OF ENERGY

Table 5. Major Ohio Electric Utilities
Fuel Consumption and Stocks
(Ohio Portion)

Month	Coal (Thousand Tons)		Oil (Thousand 42-Gal. bbls)		Gas Burned
	Burned	In Stock	Burned	In Stock	(MMCF)
1978					
JAN	4,221.8	8,067.5	1,405.9	782.8	122
FEB	3,336.5	5,817.2	1,373.5	1,212.4	116
MAR	3,394.6	4,876.0	1,380.5	1,316.9	234
APR	3,702.5	5,796.2	359.0	1,264.1	170
MAY	4,189.7	7,092.4	311.6	1,138.8	180
JUN	4,387.4	7,833.6	460.0	1,128.0	211
JUL	4,259.2	8,152.3	230.5	1,946.7	225
AUG	4,755.9	7,476.5	259.0	1,088.4	233
SEP	4,244.3	7,513.1	324.3	1,101.1	237
OCT	3,761.1	8,536.6	191.1	1,179.4	214
NOV	3,924.0	9,514.4	228.7	1,027.0	96
DEC	4,403.2	9,551.8	447.3	1,240.6	244
TOTAL	48,580.2	---	6,971.5	---	2,282
Avg/Month	4,048.4	7,519.0	581.0	1,202.2	190
1979					
JAN	4,756.0	9,016.0	676.6	1,115.1	315
FEB	4,235.9	8,606.1	798.7	1,009.7	537
MAR	4,318.9	8,856.2	429.3	1,079.5	443
APR	4,076.1	9,529.4	238.9	1,247.6	285
MAY	4,141.3	10,199.1	242.8	1,193.6	383
JUN	4,328.6	10,659.5	366.0	1,134.7	353
JUL	4,401.2	9,758.4	404.9	1,135.2	207
AUG	4,523.1	9,898.0	184.2	1,329.8	233
SEP	4,243.5	10,064.0	169.7	1,526.5	372
OCT	3,867.7	10,883.0	301.7	1,284.7	377
NOV	4,103.2	11,276.5	435.5	1,182.9	398
DEC	4,497.2	10,846.2	222.1	1,365.2	266
TOTAL	51,492.0	---	4,470.4	---	4,169
Avg/Month	4,291.0	9,966.0	372.5	1,217.0	347
1980					
JAN	4,460.0	10,083.0	247.0	1,347.0	317
FEB	3,935.0	11,351.0	258.0	1,309.0	316
MAR	4,098.0	11,189.0	182.0	1,247.0	354
APR	3,639.0	11,806.0	95.0	1,360.0	129
MAY	3,397.0	12,898.0	104.0	1,289.0	132

Source: FPC Form 4 of the major electric utilities and the Ohio Department of Energy.

Ohio; and 2) an aggregate demand for electricity within the state of Ohio is forecasted by sector (residential, commercial and industrial).

Electric Demand Forecast by Utility Service Area

For each utility service area, two electric demand forecasts are provided. One of the forecasts is a reporting utility forecast and the other is provided by the Ohio Department of Energy (Appendix A, Tables A-1 through A-9).

The Ohio Department of Energy forecasts are based on monthly data from the utility reports between January 1970 and May 1980. No independent forecast is given for OVEC because this utility has only one customer whose demand is preplanned.

Because of the overlapping months for the forecasts prepared on July 1 and November 1, the utilities may elect to use their last forecasts for those overlapping months in the new forecasting period. However, in this reporting period over half of the utilities have revised their forecasts from higher demand expectations to lower demand expectations, because of lower consumption experienced by those utilities recently.

For the next twelve months, the utility forecasts generally show higher growth rates than for the same period a year ago. The ODOE forecasts are not so optimistic: growth rates will most likely decrease in the north and northeast areas of Ohio, where ODOE forecasts fall below actual current demand. In the central and southeast areas, ODOE forecasts anticipate a slight gain over actual current demand. The lower forecast by ODOE reflects slower recoveries from the current recession and continued conservation by Ohioans.

Electric Demand Forecast by Sector

Except for OVEC, Ohio's demand for electricity from all eight major reporting utilities may be estimated based on monthly consumption data from

January 1971 through May 1980 (Table 6 and Figures 6 through 9). For each sector, this period provides a time series of 113 observations. Based on these observations, a forecasting model is constructed to generate a monthly forecast for the future months through June 1981. These sectoral forecasts are included in Appendix A, Tables A-10 through A-13.

The total Ohio electric demand forecast projects an average monthly growth rate of 3.3 percent over the next twelve months. The residential and the commercial sectors are expected to have an average monthly growth rate of 4 percent and 4.8 percent respectively. The forecast for the industrial sector shows a decline of 7 percent from a year ago. Thus, the forecast suggests that the high growth rates are centered in the residential and the commercial sectors.

The recent federal regulations regarding thermostat settings in public buildings to a minimum of 78° in the summer and a maximum of 65° in the winter, as well as other mandatory conservation measures which may be implemented, could contribute to a less rapid growth in demand for electricity in the commercial sector.

Assessment of Fuel Adequacy by Utility/Utility Group

Average daily requirements were determined by dividing projected monthly coal consumption by the number of days in the month. End-of-month stocks were derived by considering consecutively end of June 1980 stocks, projected monthly coal delivery schedules as submitted by the utilities, and projected monthly coal consumption levels. Number of days' supply of coal was estimated on the basis of average daily requirements in subsequent months and the level of end-of-month stocks for the month in question.

TABLE 6. OHIO ELECTRICITY CONSUMPTION
June 1978 - May 1980
(Thousand MWH)

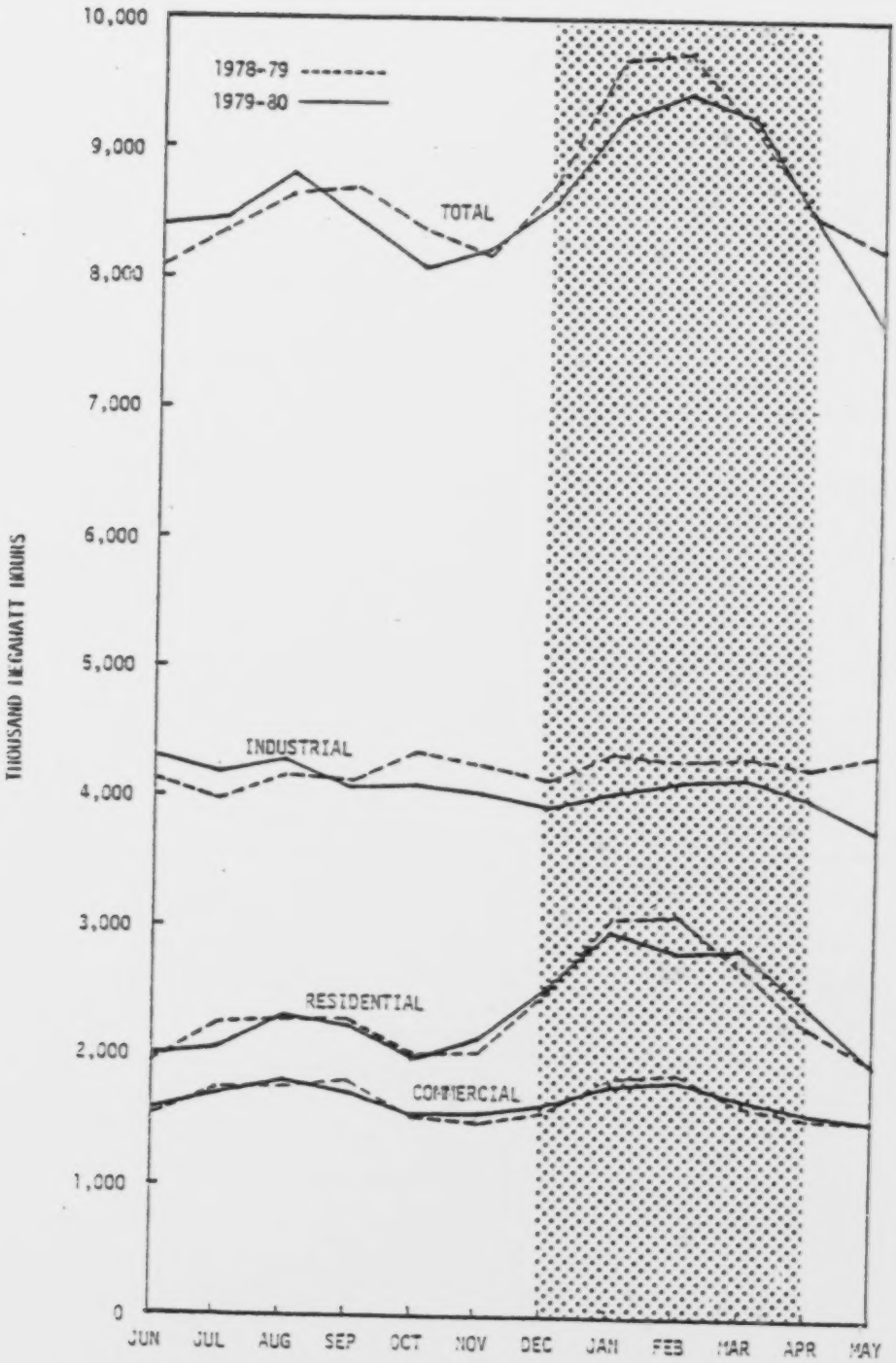
	June	July	August	September	October	November	December	January	February	March	April	May	Total
Residential													
1979-80	1,999.6	2,097.5	2,315.2	2,217.1	1,964.1	2,175.4	2,541.1	2,946.4	2,978.8	2,827.9	2,374.0	1,955.3	28,392.4
1978-79	1,927.8	2,223.0	2,265.2	2,301.6	2,021.5	2,039.9	2,485.5	3,090.0	3,144.9	2,707.6	2,260.4	1,951.2	28,418.6
% Change*	3.7	-5.6	2.2	-3.7	-2.8	6.6	2.2	-4.6	-5.2	4.4	5.0	0.2	-0.1
Commercial													
1979-80	1,640.6	1,697.7	1,777.7	1,712.3	1,547.2	1,550.2	1,642.2	1,732.7	1,785.8	1,720.5	1,596.7	1,518.9	19,922.5
1978-79	1,590.2	1,718.4	1,752.1	1,783.7	1,540.0	1,491.6	1,606.7	1,778.9	1,823.9	1,651.7	1,541.8	1,518.9	19,797.9
% Change*	3.2	-1.2	1.5	-4.0	0.5	3.9	2.2	-2.5	-2.0	4.1	3.5	0.0	0.6
Industrial													
1979-80	4,305.0	4,194.1	4,261.0	4,070.8	4,132.3	4,032.8	3,920.5	4,055.4	4,143.9	4,196.2	4,006.3	3,785.3	49,103.6
1978-79	4,152.9	3,987.0	4,182.4	4,151.8	4,337.7	4,221.8	4,164.9	4,311.2	4,287.3	4,324.4	4,249.8	4,340.7	50,711.9
% Change*	3.7	5.2	1.9	-2.0	-4.7	-4.5	-5.9	-5.9	-3.3	-2.9	-5.7	-12.8	-3.2
Other													
1979-80	444.3	444.7	459.6	444.4	461.0	458.7	478.4	509.7	511.4	500.6	462.4	445.3	5,620.5
1978-79	441.7	444.2	450.0	475.2	454.6	447.9	486.5	526.4	509.4	492.6	451.5	445.0	5,625.0
% Change*	0.6	0.1	2.1	-6.5	1.4	2.4	-1.7	-3.1	0.3	1.6	2.4	-0.6	-0.1
Total													
1979-80	8,389.4	8,434.0	8,813.5	8,444.3	8,104.6	8,217.1	8,582.2	9,244.2	9,419.9	9,245.0	8,439.5	7,704.9	103,038.6
1978-79	8,112.6	8,372.7	8,649.6	8,712.3	8,353.7	8,201.1	8,743.7	9,706.6	9,765.5	9,176.4	8,503.4	8,255.9	104,553.5
% Change*	3.4	0.7	1.9	-3.1	-3.0	0.2	-1.8	-4.7	-3.5	0.7	-0.7	-6.6	-1.4
Customers (000)													
Residential	3,386.8	3,390.9	3,389.9	3,395.6	3,402.2	3,409.4	3,416.6	3,423.3	3,428.9	3,431.4	3,430.1	3,430.4	
Commercial	346.3	346.3	346.3	346.8	347.7	348.3	348.8	349.3	349.7	349.8	350.8	351.0	
Industrial	22.1	22.0	22.0	22.1	22.2	22.3	22.4	22.5	22.5	22.5	22.5	22.6	
Total	3,755.1	3,759.2	3,758.3	3,764.5	3,772.1	3,780.0	3,787.8	3,795.1	3,801.1	3,803.7	3,803.4	3,804.0	

*Percentage changes is for the same period of the previous year (1978-1979).

Notes: (1) Excludes sales to other utilities.
(2) Figures may not add due to independent rounding.
(3) Figures reported include CG&E, CEI, C&SOE, DP&L, MP, OE, OP, and TE.

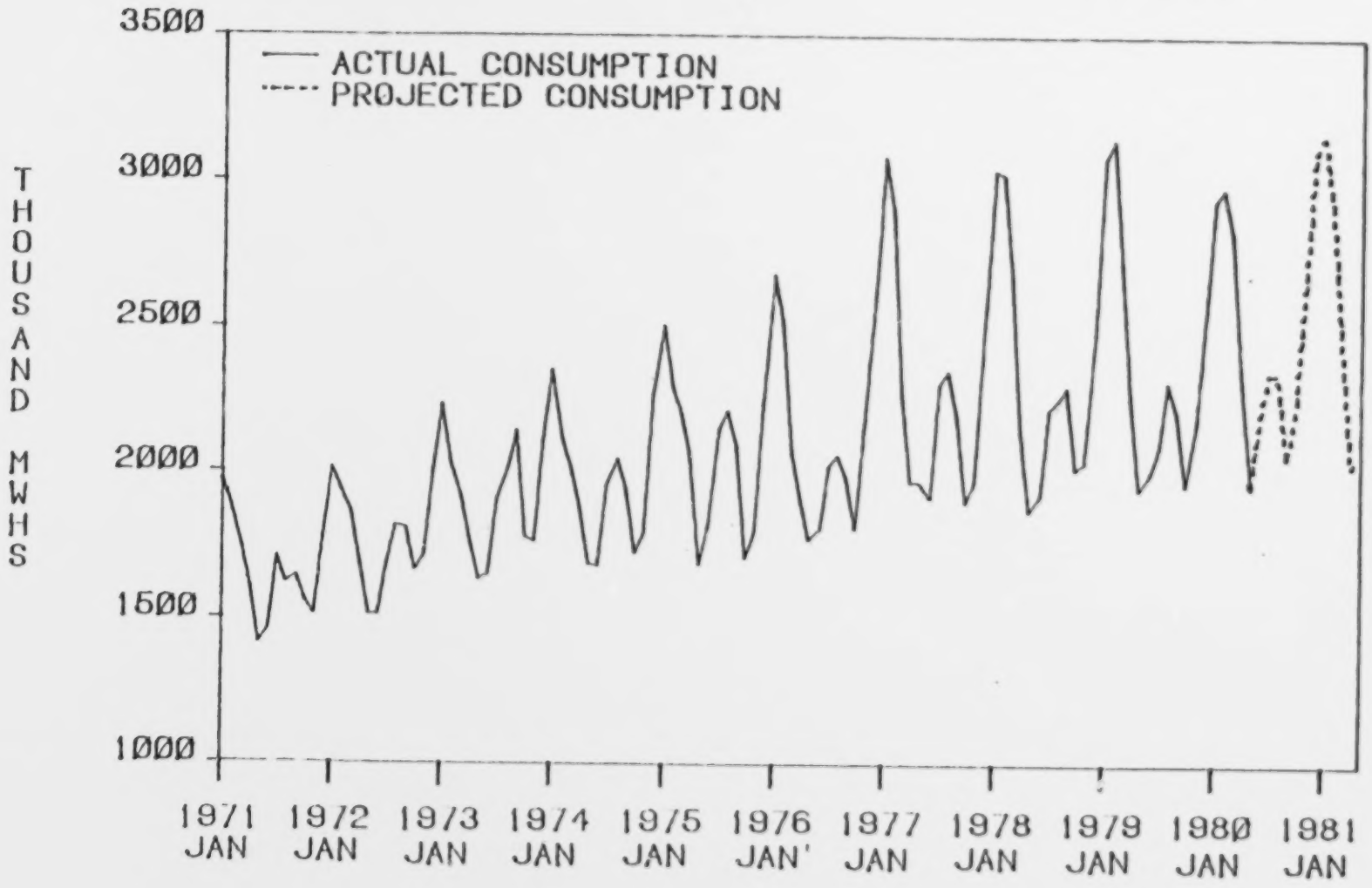
Source: Ohio Electric Utility Institute's Monthly Summaries and ODOE Form SE-1.

Figure 5. Comparison of Ohio Electricity Consumption by Sector
June 1978 - May 1980



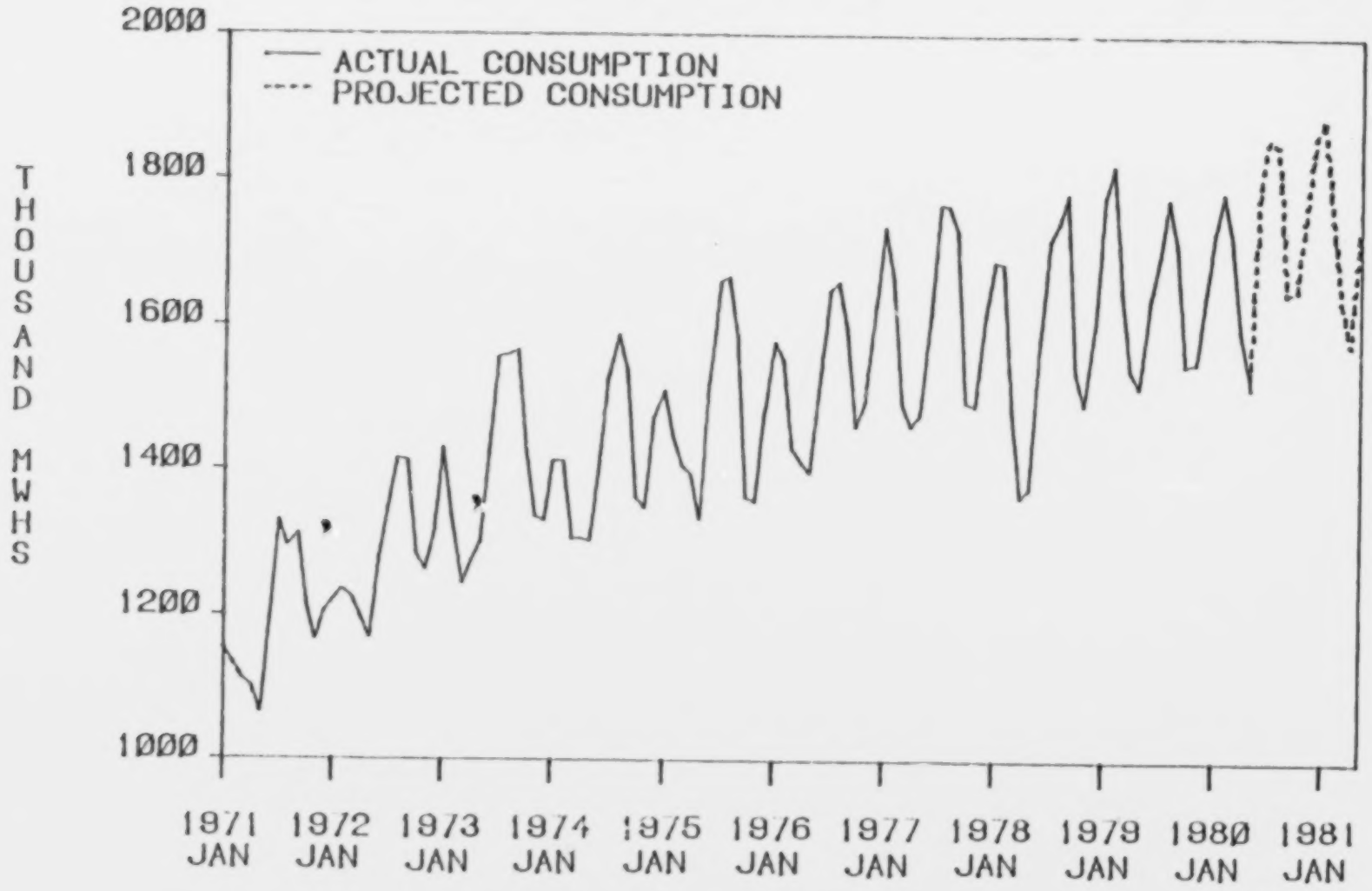
Source: Ohio Electric Utility Institute's Monthly Summaries.

FIGURE 6. MONTHLY OHIO RESIDENTIAL ELECTRICITY CONSUMPTION
ACTUAL AND PROJECTED (JANUARY 1971 - MAY 1980)



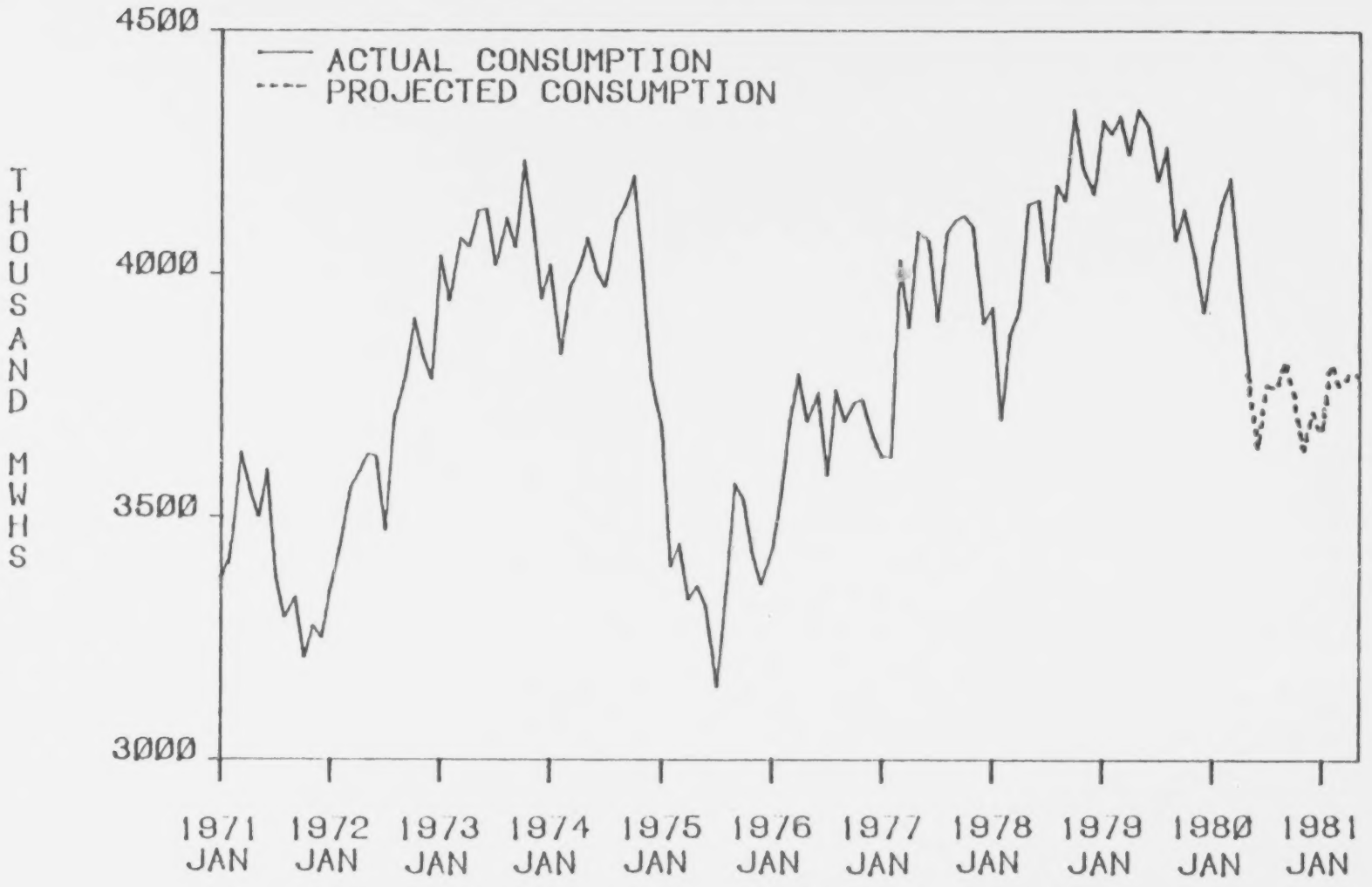
SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND OHIO DEPARTMENT OF ENERGY
(EXCLUDING OVEC)

FIGURE 7. MONTHLY OHIO COMMERCIAL ELECTRICITY CONSUMPTION
ACTUAL AND PROJECTED (JANUARY 1971 - MAY 1980)



SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND OHIO DEPARTMENT OF ENERGY
(EXCLUDING OVEC)

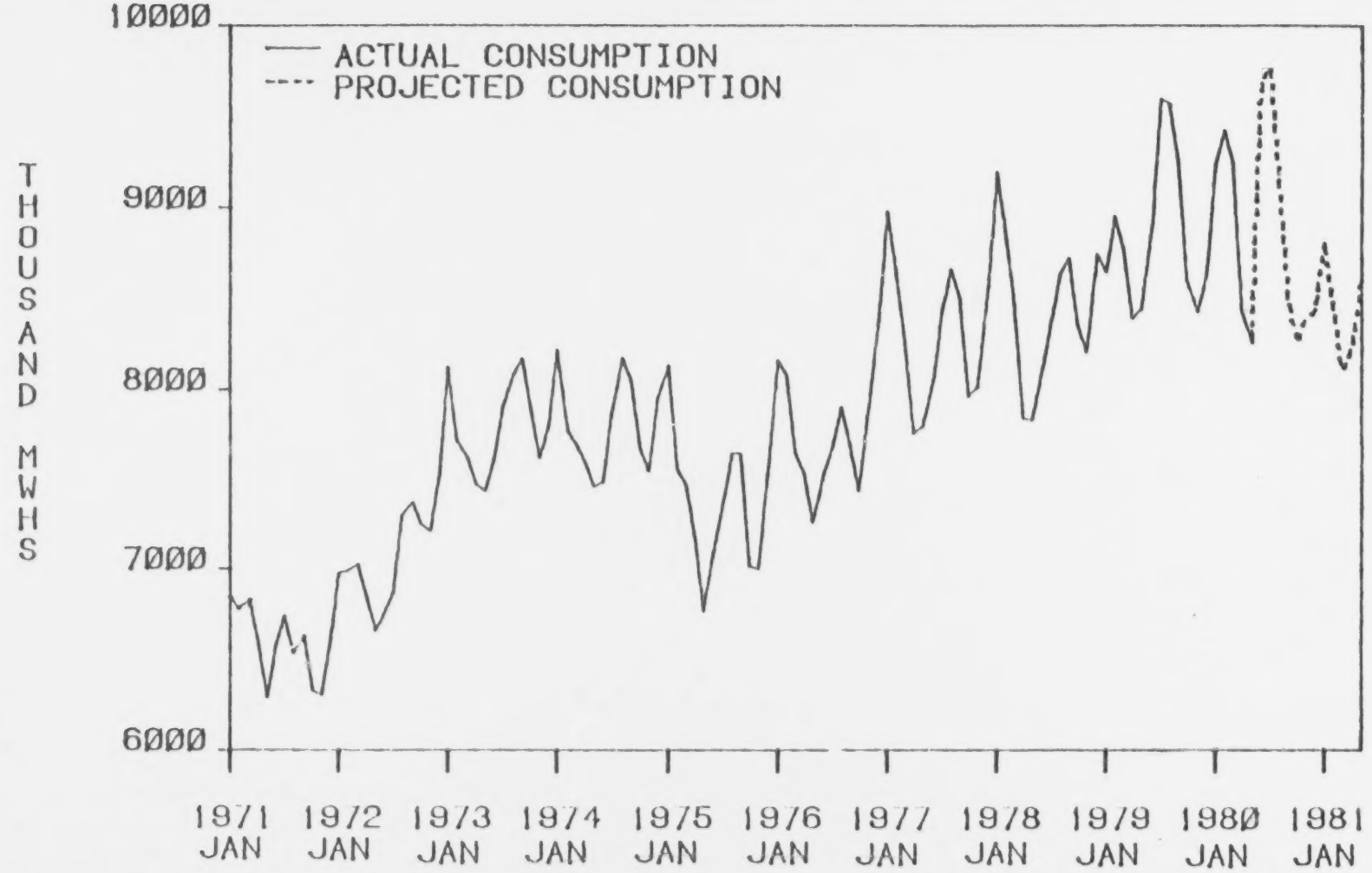
FIGURE 8. MONTHLY OHIO INDUSTRIAL ELECTRICITY CONSUMPTION
ACTUAL AND CONSUMPTION (JANUARY 1971 - MAY 1980)



SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND OHIO DEPARTMENT OF ENERGY

(EXCLUDING OVEC)

FIGURE 9. TOTAL MONTHLY ELECTRICITY CONSUMPTION
ACTUAL AND PROJECTED (JANUARY 1971 - MAY 1980)



SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND OHIO DEPARTMENT OF ENERGY
(EXCLUDING OVEC)

Coal consumption projections were made through the use of a formula which adjusts coal consumption levels for changes in the consumption of oil, natural gas, and nuclear fuel in a manner that is consistent with the projected demand or net energy for load. In making these projections it is assumed that the following conditions will be satisfied:

1. Monthly demand (net energy for load) for July 1980 through June 1981 will be realized in the manner projected by the utility companies.
2. Energy required to supply projected net energy for load in a given month of July 1980 through June 1981 will be proportional to the energy consumed in supplying the actual net energy for load in the respective months of July 1979 through June 1980.
3. Monthly delivery schedules for all fuels in 1980 through 1981 will be met in the manner projected by the utility companies.

In the case of the CAPCO and CCD groups, where individual members have interconnected transmission systems and operate jointly owned generation units, the figures presented in this report for the total groups are more significant than those reported for the individual members. As displayed in Table 7, the number of days' supply of coal through the end of March, 1981 for AEP, APS, CCD, and CAPCO utility groups ranges from 72 days to 96 days. A 90 day supply of coal should be sufficient in the event of a supply disruption.

The assessment of oil adequacy is derived by using utilities' projected monthly consumption and deliveries. The projected deliveries are low when compared to the consumption levels experienced in the 1970's. Oil deliveries are believed sufficient, however, since the utilities have demonstrated their ability to reduce fuel oil consumption in the first five months of 1980. The actual consumption of oil in this period accounts for only 37 percent of the same period in 1979.

Table 7 Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model
(July 1980 - June 1981)

CAPCO GROUP (EXCLUDING DUQUESNE LIGHT COMPANY)

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	4522.1	4573.6	4256.3	4381.7	4403.1	5057.4	5015.3	4432.8	4661.6	4414.0	4382.3	4633.7	54733.9
EST DEMAND GEN BY COAL	3648.4	3679.1	3253.0	3183.9	3195.2	4160.6	4077.8	3538.8	3969.4	4181.3	3813.9	3888.6	44589.8
EST DEMAND GEN BY OIL	117.6	60.9	63.0	107.3	122.4	185.3	100.0	68.1	67.8	103.1	112.4	45.0	1153.0
PROJ DAILY CONSUMPTION													
COAL (KTONS)	51.97	52.41	47.88	45.35	47.03	59.26	58.09	53.88	56.54	61.55	54.33	57.24	
OIL (KBBL)	8.18	4.24	4.53	7.47	8.80	12.89	6.95	5.07	4.72	7.41	7.82	3.23	
COAL DELIVERIES (KTONS)	1584.0	1648.6	1616.5	1559.7	1479.5	1594.8	1740.6	1606.0	1604.8	1230.2	1423.5	1627.0	18715.2
OIL DELIVERIES (KBBL)	253.77	139.42	139.01	236.06	265.59	409.94	208.49	135.40	140.30	229.01	246.52	96.49	2500.00
END OF MONTH STOCK													
COAL (KTONS)	4160.2	4184.3	4364.3	4518.1	4586.7	4344.3	4284.3	4327.6	4179.7	3563.5	3302.9	3212.9	
OIL (KBBL)	720.0	728.0	731.1	735.6	737.1	747.5	740.4	728.9	722.9	729.5	733.6	733.1	
NUMBER OF DAYS SUPPLY													
COAL	85.	90.	87.	83.	80.	77.	76.	74.	72.	64.	61.	62.	
OIL	117.	98.	79.	71.	86.	123.	119.	125.	111.	124.	137.	120.	

CLEVELAND ELECTRIC ILLUMINATING COMPANY

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	1698.0	1709.0	1572.0	1608.0	1592.0	1691.0	1798.0	1557.0	1675.0	1571.0	1632.0	1684.0	19787.0
EST DEMAND GEN BY COAL	1191.2	1143.2	1006.3	910.8	1023.3	1211.9	1080.5	1030.4	1041.9	1043.7	1220.6	1336.7	13240.5
EST DEMAND GEN BY OIL	39.2	21.4	21.9	51.6	54.6	113.3	37.9	33.3	31.2	61.4	92.0	18.7	576.5
PROJ DAILY CONSUMPTION													
COAL (KTONS)	16.53	15.87	14.43	12.64	14.68	16.82	15.00	15.29	14.46	14.97	16.94	19.17	
OIL (KBBL)	2.81	1.53	1.62	3.69	4.04	8.11	2.71	2.55	2.23	4.54	6.59	1.38	
COAL DELIVERIES (KTONS)	580.7	562.8	526.2	483.3	450.4	454.7	455.5	389.0	401.5	62.4	271.8	437.4	5075.7
OIL DELIVERIES (KBBL)	87.02	47.21	48.52	114.36	120.95	251.43	84.26	73.95	69.24	136.36	204.00	41.36	1278.66
END OF MONTH STOCK													
COAL (KTONS)	1244.1	1315.0	1408.2	1499.6	1509.6	1442.8	1433.4	1379.0	1332.2	945.5	692.1	554.3	
OIL (KBBL)	570.8	570.7	570.7	570.6	570.4	570.6	570.7	570.8	570.9	571.1	570.9	570.8	
NUMBER OF DAYS SUPPLY													
COAL	86.	94.	96.	97.	97.	97.	95.	89.	80.	53.	37.	34.	
OIL	152.	135.	123.	139.	142.	154.	167.	175.	185.	191.	197.	172.	

Table 7 Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(July 1980 - June 1981)

OHIO EDISON SYSTEM

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	2133.9	2188.3	2036.3	2087.8	2127.2	2625.4	2414.3	2089.3	2211.2	2109.9	2049.8	2223.8	26297.2
EST DEMAND GEN BY COAL	2140.9	2223.6	1963.4	2008.6	1859.1	2617.1	2609.5	2098.1	2444.0	2541.2	2213.6	2055.5	26774.6
EST DEMAND GEN BY OIL	76.4	37.2	37.7	50.1	63.2	63.0	46.6	20.5	19.2	16.0	12.5	23.8	466.2
PROJ DAILY CONSUMPTION													
COAL (KTONS)	32.00	33.23	30.32	30.02	28.71	39.11	39.00	33.52	36.53	39.24	33.08	31.74	
OIL (KBBL)	5.22	2.54	2.66	3.43	4.46	4.31	3.19	1.50	1.32	1.13	0.85	1.68	
COAL DELIVERIES (KTONS)	893.3	935.8	940.3	926.4	879.1	980.1	1100.1	1052.0	1028.3	982.8	966.7	1064.6	11749.5
OIL DELIVERIES (KBBL)	161.75	78.87	80.02	105.99	133.81	133.37	99.00	43.36	40.94	34.08	26.44	50.36	987.99
END OF MONTH STOCK													
COAL (KTONS)	2546.1	2451.7	2482.4	2478.1	2495.9	2263.5	2154.6	2234.6	2130.5	1936.0	1877.2	1989.5	
OIL (KBBL)	117.0	117.0	117.2	117.0	116.9	116.7	117.0	116.9	117.1	117.2	117.1	117.1	
NUMBER OF DAYS SUPPLY													
COAL	81.	82.	79.	71.	64.	62.	61.	59.	59.	60.	59.	61.	
OIL	45.	41.	33.	26.	27.	43.	89.	101.	92.	69.	43.	22.	

TOLEDO EDISON

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	690.2	676.3	648.0	685.9	683.9	741.0	803.0	786.5	775.4	733.1	700.5	725.9	8649.7
EST DEMAND GEN BY COAL	316.3	312.2	283.3	264.5	312.7	331.5	387.9	410.3	483.5	596.5	379.7	496.4	4574.7
EST DEMAND GEN BY OIL	2.0	2.4	3.5	5.6	4.7	9.0	15.4	14.3	17.4	25.7	7.8	2.5	110.3
PROJ DAILY CONSUMPTION													
COAL (KTONS)	4.09	4.04	3.79	3.42	4.18	4.29	5.02	5.68	6.26	7.98	4.92	6.64	
OIL (KBBL)	0.14	0.16	0.25	0.39	0.33	0.62	1.06	1.05	1.20	1.82	0.54	0.18	
COAL DELIVERIES (KTONS)	110.0	150.0	150.0	150.0	150.0	160.0	185.0	165.0	175.0	185.0	185.0	125.0	1890.0
OIL DELIVERIES (KBBL)	5.00	13.33	10.48	15.71	10.83	25.14	25.24	18.09	30.12	58.57	16.07	4.76	233.35
END OF MONTH STOCK													
COAL (KTONS)	349.6	374.3	410.7	454.5	479.0	506.0	535.4	535.7	516.7	462.3	494.9	420.7	
OIL (KBBL)	32.7	41.0	44.0	47.7	48.6	54.7	47.0	34.6	27.6	31.5	30.8	30.3	
NUMBER OF DAYS SUPPLY													
COAL	93.	98.	101.	99.	95.	90.	82.	82.	80.	88.	103.	108.	
OIL	117.	110.	95.	79.	59.	52.	43.	29.	15.	124.	145.	128.	

Table 7 Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model(Cont'd)
(July 1980 - June 1981)

CCD GROUP

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	3418.5	3331.3	2849.4	2890.3	3010.3	3452.8	3636.0	3118.7	3102.1	2839.1	3014.5	3134.8	37797.8
EST DEMAND GEN BY COAL	3437.3	3306.5	2848.6	3009.2	3150.8	3512.3	3621.4	3052.8	3144.1	2853.7	3000.6	3319.7	38257.1
EST DEMAND GEN BY OIL	33.7	28.0	9.3	12.8	29.1	25.9	20.2	9.2	20.9	12.2	9.6	11.3	222.3
PROJ DAILY CONSUMPTION													
COAL (KTONS)	52.22	50.23	44.72	45.71	49.46	53.36	55.02	49.58	47.76	44.80	45.58	52.11	
OIL (KBBL)	3.73	3.11	1.06	1.42	3.33	2.87	2.24	1.09	2.32	1.40	1.07	1.30	
COAL DELIVERIES (KTONS)	1283.0	1653.6	1503.6	1596.1	1480.9	1634.7	1666.2	1484.7	1418.4	980.4	1068.4	985.4	16755.4
OIL DELIVERIES (KBBL)	104.74	95.57	9.31	8.90	60.47	74.27	57.55	19.76	52.67	8.52	44.81	7.79	544.37
END OF MONTH STOCK													
COAL (KTONS)	4025.0	4121.4	4283.5	4462.5	4459.6	4440.2	4400.9	4447.9	4385.6	4022.1	3677.4	3099.5	
OIL (KBBL)	716.7	715.9	693.4	658.3	618.9	604.2	592.3	580.4	561.1	527.5	539.3	508.2	
NUMBER OF DAYS SUPPLY													
COAL	86.	89.	87.	85.	84.	87.	93.	96.	92.	81.	71.	60.	
OIL	353.	351.	324.	295.	304.	314.	300.	277.	265.	238.	225.	198.	

CINCINNATI GAS & ELECTRIC

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	1531.9	1495.5	1197.0	1195.9	1251.3	1484.3	1474.1	1230.9	1248.2	1176.8	1281.7	1337.4	15905.0
EST DEMAND GEN BY COAL	1126.6	1121.0	943.0	954.4	1080.8	1149.7	1306.0	1111.6	1195.1	1074.3	1355.0	1295.2	13712.6
EST DEMAND GEN BY OIL	17.3	16.6	1.3	4.1	9.5	6.5	11.1	1.2	2.9	1.6	2.6	6.3	81.0
PROJ DAILY CONSUMPTION													
COAL (KTONS)	16.84	16.76	14.57	14.27	16.70	17.19	19.53	17.77	17.87	16.60	20.26	20.01	
OIL (KBBL)	2.31	2.21	0.18	0.54	1.31	0.87	1.47	0.18	0.38	0.23	0.34	0.87	
COAL DELIVERIES (KTONS)	526.0	574.3	476.7	481.4	528.8	562.0	615.6	555.1	538.4	450.0	550.0	525.0	6383.3
OIL DELIVERIES (KBBL)	72.00	72.00	0.0	0.0	36.00	36.00	36.00	0.0	36.00	0.0	36.00	0.0	324.00
END OF MONTH STOCK													
COAL (KTONS)	1041.4	1096.1	1135.7	1174.8	1202.7	1231.8	1242.0	1281.9	1266.4	1218.4	1140.4	1065.1	
OIL (KBBL)	228.1	231.5	226.1	209.3	206.0	215.0	205.3	200.2	224.4	217.6	243.0	217.0	
NUMBER OF DAYS SUPPLY													
COAL	67.	74.	72.	68.	66.	66.	70.	72.	68.	61.	62.	64.	
OIL	279.	320.	290.	259.	245.	230.	240.	211.	228.	198.	201.	171.	

Table 7 Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(July 1980 - June 1981)

DAYTON POWER AND LIGHT

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	972.4	952.2	850.0	902.2	915.9	1023.8	1106.5	1024.2	1022.4	905.4	901.2	912.6	11488.9
EST DEMAND GEN BY COAL	1371.1	1299.2	1026.2	1179.2	1096.7	1368.7	1262.3	1117.6	1065.5	1027.7	1064.7	1163.4	14042.5
EST DEMAND GEN BY OIL	13.9	9.2	5.7	6.7	14.9	10.7	4.1	3.1	14.4	8.7	5.1	3.1	99.7
PROJ DAILY CONSUMPTION													
COAL (KTONS)	20.08	19.03	15.53	17.27	16.60	20.05	18.49	17.50	15.61	15.56	15.60	17.61	
OIL (KBBL)	0.87	0.58	0.37	0.42	0.97	0.67	0.26	0.21	0.90	0.56	0.32	0.20	
COAL DELIVERIES (KTONS)	349.0	676.0	646.0	671.0	521.0	619.0	566.0	528.0	482.0	219.0	207.0	174.0	5658.0
OIL DELIVERIES (KBBL)	25.00	16.00	2.00	2.00	2.00	2.00	1.00	0.0	2.00	1.00	1.00	0.0	54.00
END OF MONTH STOCK													
COAL (KTONS)	1596.4	1682.4	1862.4	1997.9	2020.9	2018.3	2011.1	2031.6	2029.8	1782.1	1505.6	1151.3	
OIL (KBBL)	334.9	333.0	323.9	312.9	285.9	266.9	260.0	254.0	227.9	212.0	203.0	197.0	
NUMBER OF DAYS SUPPLY													
COAL	92.	100.	103.	109.	111.	120.	125.	125.	118.	100.	80.	59.	
OIL	622.	628.	604.	579.	559.	538.	512.	483.	458.	429.	399.	369.	

COLUMBUS & SOUTHERN OHIO ELECTRIC COMPANY

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	914.2	883.7	802.4	792.3	843.1	944.7	1055.3	863.5	831.5	756.9	831.5	884.8	10403.9
EST DEMAND GEN BY COAL	939.6	886.3	879.3	875.6	973.3	993.9	1053.1	823.6	883.5	751.7	580.9	861.1	10502.0
EST DEMAND GEN BY OIL	2.5	2.2	2.2	2.1	4.6	8.6	5.1	4.9	3.7	1.9	1.9	1.9	41.6
PROJ DAILY CONSUMPTION													
COAL (KTONS)	15.18	14.32	14.68	14.15	16.25	16.06	17.02	14.23	14.28	12.55	9/39	14.38	
OIL (KBBL)	0.32	0.29	0.30	0.27	0.62	1.11	0.66	0.68	0.47	0.25	0.25	0.26	
COAL DELIVERIES (KTONS)	408.0	403.3	380.9	443.7	431.1	453.7	484.6	401.6	398.0	311.4	311.4	286.4	4714.1
OIL DELIVERIES (KBBL)	7.74	7.57	7.31	6.90	22.47	36.27	20.55	19.76	14.67	7.52	7.81	7.79	166.37
END OF MONTH STOCK													
COAL (KTONS)	1390.6	1349.9	1290.3	1295.4	1239.0	1194.9	1152.0	1141.0	1096.5	1031.3	1051.8	906.8	
OIL (KBBL)	160.9	159.6	157.9	156.5	160.3	162.0	162.2	162.2	162.2	162.1	162.2	162.2	
NUMBER OF DAYS SUPPLY													
COAL	96.	90.	84.	79.	77.	78.	84.	94.	91.	81.	71.	61.	
OIL	346.	339.	335.	327.	355.	361.	358.	359.	355.	346.	346.	347.	

Table 7 Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(July 1980 - June 1981)

AMERICAN ELECTRIC POWER SYSTEM

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	6155.0	6472.0	6099.0	6250.0	6492.0	7289.0	8010.0	7217.0	7152.0	6385.0	6316.0	6166.0	80002.8
EST DEMAND GEN BY COAL	7454.3	7838.9	7346.2	6533.1	7287.3	8563.1	9507.1	8252.6	8000.9	7622.4	7545.1	7661.3	93612.2
EST DEMAND GEN BY OIL	24.0	24.6	27.4	23.1	22.7	23.3	24.8	25.3	23.6	20.4	21.5	21.6	282.4
PROJ DAILY CONSUMPTION													
COAL (KTONS)	106.67	112.17	108.63	93.49	107.75	122.54	136.04	126.24	114.49	112.71	107.97	113.28	
OIL (KBBL)	2.61	2.68	3.09	2.52	2.56	2.54	2.70	2.94	2.57	2.30	2.34	2.43	
COAL DELIVERIES (KTONS)	2692.0	3559.0	3614.0	4763.0	3335.0	3492.0	3496.0	3329.0	3662.0	3496.0	3330.0	3329.0	42097.0
OIL DELIVERIES (KBBL)	81.18	82.28	92.61	78.33	76.42	78.81	82.95	85.19	78.57	67.89	72.68	72.99	949.91
END OF MONTH STOCK													
COAL (KTONS)	9264.3	9345.9	9701.1	11566.1	11668.4	11361.8	10640.5	10308.6	10421.4	10536.1	10519.1	10449.6	
OIL (KBBL)	372.7	372.0	372.0	372.3	372.1	372.2	371.4	371.4	370.3	369.3	369.5	369.7	
NUMBER OF DAYS SUPPLY													
COAL	88.	91.	90.	95.	91.	90.	90.	92.	94.	96.	95.	96.	
OIL	139.	139.	142.	140.	142.	144.	148.	152.	150.	142.	138.	137.	

ALLEGHENY POWER SYSTEM

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	2651.7	2731.0	2651.7	2776.3	2841.3	3166.9	3387.7	3123.4	3019.2	2801.2	2837.4	2757.4	34745.2
EST DEMAND GEN BY COAL	3112.8	2973.8	2976.5	3042.5	3122.6	3474.1	3479.5	3195.2	3191.6	3367.0	3576.3	3587.9	39099.9
EST DEMAND GEN BY OIL	8.2	0.3	4.0	22.5	11.4	0.0	3.0	0.0	11.8	0.0	10.2	13.2	84.6
PROJ DAILY CONSUMPTION													
COAL (KTONS)	41.18	39.34	40.69	40.25	42.69	45.96	46.03	45.19	42.22	46.03	47.31	49.05	
OIL (KBBL)	0.67	0.02	0.34	1.84	0.96	0.0	0.25	0.0	0.96	0.0	0.83	1.12	
COAL DELIVERIES (KTONS)	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1392.7	1392.7	1392.7	1392.7	1392.7	1392.7	16120.1
OIL DELIVERIES (KBBL)	15.36	15.36	15.36	15.36	15.36	15.36	28.80	28.80	28.80	28.80	28.80	28.80	264.95
END OF MONTH STOCK													
COAL (KTONS)	3312.6	3387.1	3460.4	3506.6	3520.0	3389.3	3355.0	3437.4	3521.2	3533.1	3459.2	3380.5	
OIL (KBBL)	345.1	359.7	365.0	323.4	310.0	325.3	346.4	375.2	374.2	403.0	405.9	401.2	
NUMBER OF DAYS SUPPLY													
COAL	83.	83.	81.	78.	77.	75.	76.	77.	75.	75.	79.	84.	
OIL	607.	623.	611.	594.	578.	569.	615.	602.	592.	675.	705.	707.	

Table 7 Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(July 1980 - June 1981)

OHIO VALLEY ELECTRIC CORPORATION

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
DEMAND FORECAST (GWH)	1321.2	1362.5	1256.6	1302.7	1345.8	1370.4	1492.9	1339.6	1517.2	1462.3	1557.7	1401.1	16730.1
EST DEMAND GEN BY COAL	1249.9	1343.5	1222.7	1245.4	1271.8	1310.1	1407.8	1299.4	1395.8	1434.5	1560.8	1422.1	16163.8
PROJ DAILY CONSUMPTION COAL (KTONS)	17.07	18.35	17.26	17.01	17.95	17.89	19.23	18.97	19.06	20.25	21.32	20.07	
COAL DELIVERIES (KTONS)	299.5	689.9	637.9	570.0	585.0	593.0	645.0	586.0	665.0	644.0	761.9	697.9	7375.0
END OF MONTH STOCK COAL (KTONS)	1710.8	1831.9	1952.0	1994.7	2041.3	2079.6	2128.5	2164.3	2238.4	2275.0	2376.0	2471.7	
NUMBER OF DAYS SUPPLY COAL	97.	105.	109.	108.	109.	108.	108.	107.	113.	118.	131.	141.	

NATURAL GAS

Service shares of the gas distribution companies operating in Ohio are presented in Table 8 for the annual period May 1979 to April 1980. During this period of time, the four large distribution companies - Cincinnati Gas and Electric, Columbia Gas of Ohio, Dayton Power and Light, and East Ohio Gas - jointly distributed 94.55 percent of the reported natural gas requirements of the state. The four intermediate companies National Gas and Oil, Ohio Gas, River Gas, and West Ohio Gas
4.55 percent of Ohio's reported natural gas requirements. The remaining .90 percent of the reported natural gas requirements were distributed by 22 small utilities. The figures presented in Table 8 do not include distribution by municipal utilities or self-help natural gas.

Supply

The major sources of natural gas supplies for the state are presented in Table 9, Figure 10. Between May 1979 and April 1980, the eight major gas distribution companies of Ohio, which together account for 99.10 percent of the reported natural gas distribution in the state, procured 972,198 MMCF of natural gas supplies to meet Ohio's requirements. This represents a 3.1 percent decrease in the supplies of natural gas to Ohio compared to the same period last year. This decline is not due to a reduction in the availability of natural gas supplies as such, but rather reflects an adjustment by Ohio's gas distribution companies to the declining demand for natural gas by residential and commercial end users in Ohio, caused by effective conservation measures, and a milder winter of 1979-80.

Of the 972,198 MMCF of total procurement, 92.60 percent is interstate gas purchases and SNG. The remaining 7.31 percent is purchases of Ohio

TABLE 8. TOTAL NATURAL GAS REQUIREMENTS OF ALL GAS UTILITIES IN OHIO BETWEEN MAY 1979 AND APRIL 1980 (MMCF)

Company	(1) Sales to All End Users	(2) Storage (In)	Total Requirement (1+2)	Percent of Total Ohio Requirement
Cincinnati Gas & Electric	90,792	0	90,792	9.25
Columbia Gas of Ohio	348,256	868	349,124	35.57
Dayton Power & Light	63,851	460	64,311	6.55
East Ohio Gas	362,513	64,020	426,533	43.45
National Gas & Oil	14,626	927	15,553	1.58
Ohio Gas	7,312	0	7,312	0.74
River Gas	4,634	0	4,634	0.47
West Ohio Gas	14,539	0	14,539	1.48
Total 8 Major Utilities	906,523	66,275	972,798	99.10
Total Small Utilities	8,797	----	8,797	0.90
Total all utilities	915,320	66,275	981,595	100.00

Source: ODOE Form SG-2 and SG-4.

gas. The 71,078 MMCF of Ohio production of natural gas purchased by the eight major gas utilities between May 1979 and April 1980 represents an 8.7 percent increase over their purchases of Ohio product during the preceding annual period. This amount corresponds approximately to 57 percent of the state's total production in the calendar year 1979. The remainder of natural gas produced in Ohio is transported directly to end users in the self-help program.

Domestic interstate gas is the major source of supply for Ohio. Columbia Gas Transmission and Consolidated Gas companies have provided 74.29 percent of the natural gas supplied to the eight major Ohio gas distribution companies. It is estimated that the reported volume of LNG in the pipelines of these two major suppliers accounted for 6 percent of the natural gas procured by Ohio utilities during the May 1979-April 1980 annual period.

Due to USDOE's disagreement with Algerian price demands, shipments of LNG to the United States have stopped effective April 1980. Although eventual resolution of differences with the Algerian authorities is expected, it is not clear when such an agreement will be reached. The impact of this situation on reported supplies of natural gas from Consolidated Gas Transmission Co. should be nil during the 1980-81 heating season, for Consolidated Gas Transmission has not included procurements of LNG among its projected sources of supply for the 1980-81 heating season. However, LNG accounts for approximately 8.3 percent of Columbia Gas Transmission cooperative's projected heating season supplies for 1980-81. This may present a slight problem for Ohio utilities for which Columbia Gas Transmission is a primary supplier, if LNG deliveries are not resumed by the beginning of 1980-81 heating season.

As a result of the cessation of LNG deliveries, it is considered unlikely that the purchases of Ohio product would decline to 59,320 MMCF as

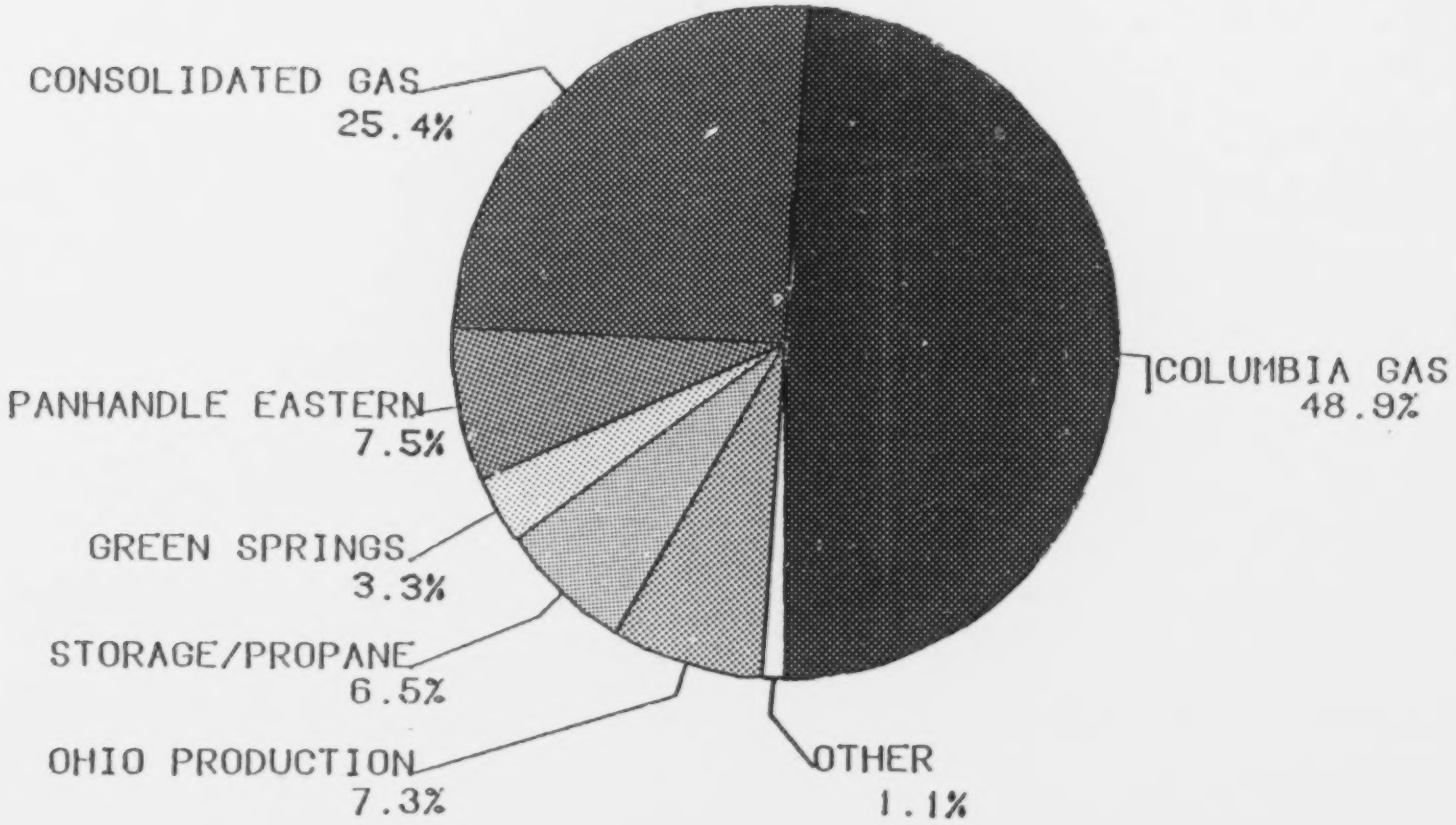
TABLE 9. SOURCES OF NATURAL GAS SUPPLIES TO THE EIGHT MAJOR OHIO GAS UTILITIES BETWEEN MAY 1979 - APRIL 1980 (MMCF)

Source	Supply	Percent Of Total	Rank
Columbia Gas Transmission	475,440	48.90	1
Consolidated Gas	246,823	25.39	2
Lawrenceburg	1,883	0.19	11
Michigan/Wisconsin	1,092	0.11	10
Panhandle Eastern	72,689	7.48	3
Tennessee Gas	1,430	0.15	9
Texas Eastern	7,288	0.75	7
Texas Gas	268	0.03	12
Green Springs (SNG)	31,768	3.27	6
Storage/Propane*	63,635	6.54	4
Other	-1,146	-0.12	8
Total SNG and Out of State	901,170	92.69	
Ohio Product	71,028	7.31	5
Total	972,198	100.00	

*Gas in storage represents a source of supply in the period under consideration.

Source: ODOE Form SG-2.

FIGURE 10 SOURCE OF NATURAL GAS SUPPLY TO
THE EIGHT MAJOR OHIO GAS UTILITIES (MAY 1979 - APRIL 1980)



SOURCE: REPORTS OF THE EIGHT MAJOR OHIO GAS UTILITIES
AND THE OHIO DEPARTMENT OF ENERGY

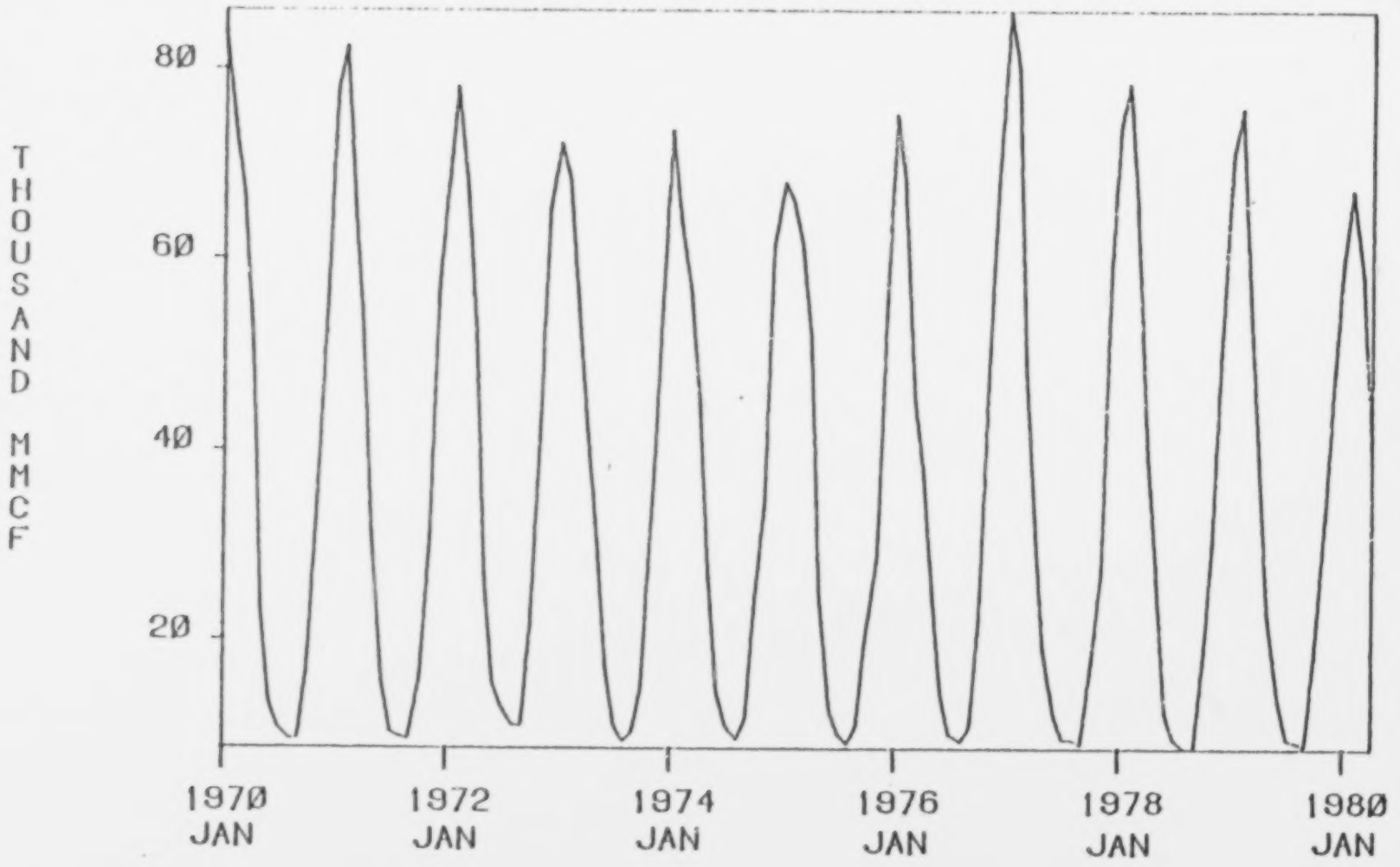
projected in the Table 10, which exhibits a monthly comparison of actual and projected supplies, by source, for the eight major gas utilities. Actual natural gas supplies of individual utilities for the past two years are listed in the Appendix B, Tables B-1 through B-8.

Historical Consumption

The regularities in the monthly time series behavior of residential, commercial, industrial and total natural gas consumption in Ohio, from January 1970 through April 1980, are displayed in Figures 11, 12, 13 and 14. The seasonal variation in residential and commercial consumption can easily be discerned from these figures. Natural gas usage in all sectors peaks during the heating season, and falls off during the cooling season because of space heating requirements. The effect of curtailments enforced during the 1976-77 heating season on industry is dramatically shown in Figure 13.

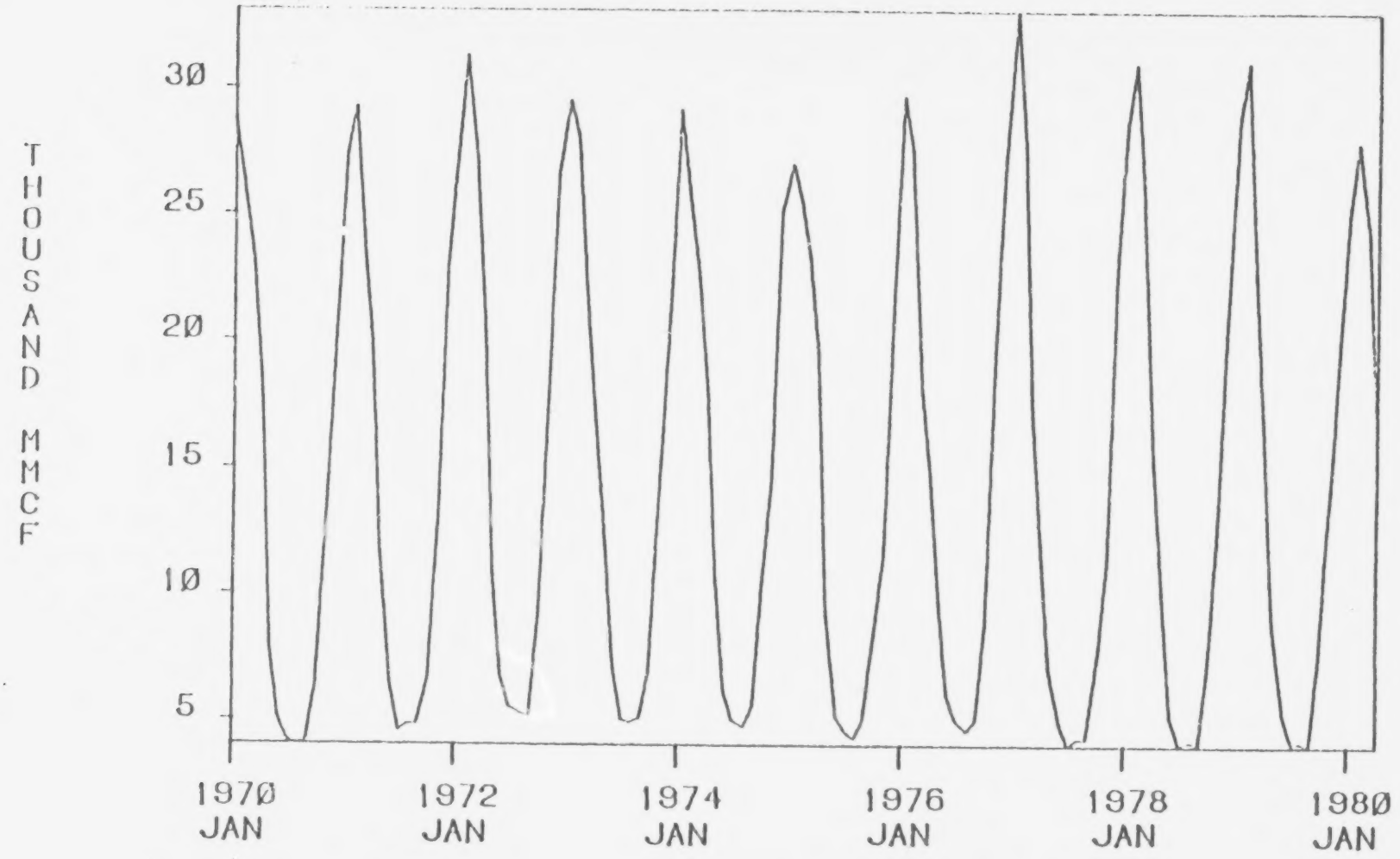
For the State as a whole, reported total annual requirements of natural gas between 1973 and 1979 have remained below the 1972 level. The behavior of total annual requirements of natural gas by Ohio end users can be observed in Figure 15. The greatest reduction in the reported requirements has taken place within the industrial end user class. This is due to the fact that industrial end users have lower priorities in terms of their natural gas requirements relative to residential or commercial end users. The aforementioned reductions in interstate natural gas supplies have led to curtailments of industrial base allocations; which in turn, have

FIGURE 11 MONTHLY OHIO RESIDENTIAL NATURAL GAS CONSUMPTION
JANUARY 1970 - APRIL 1980



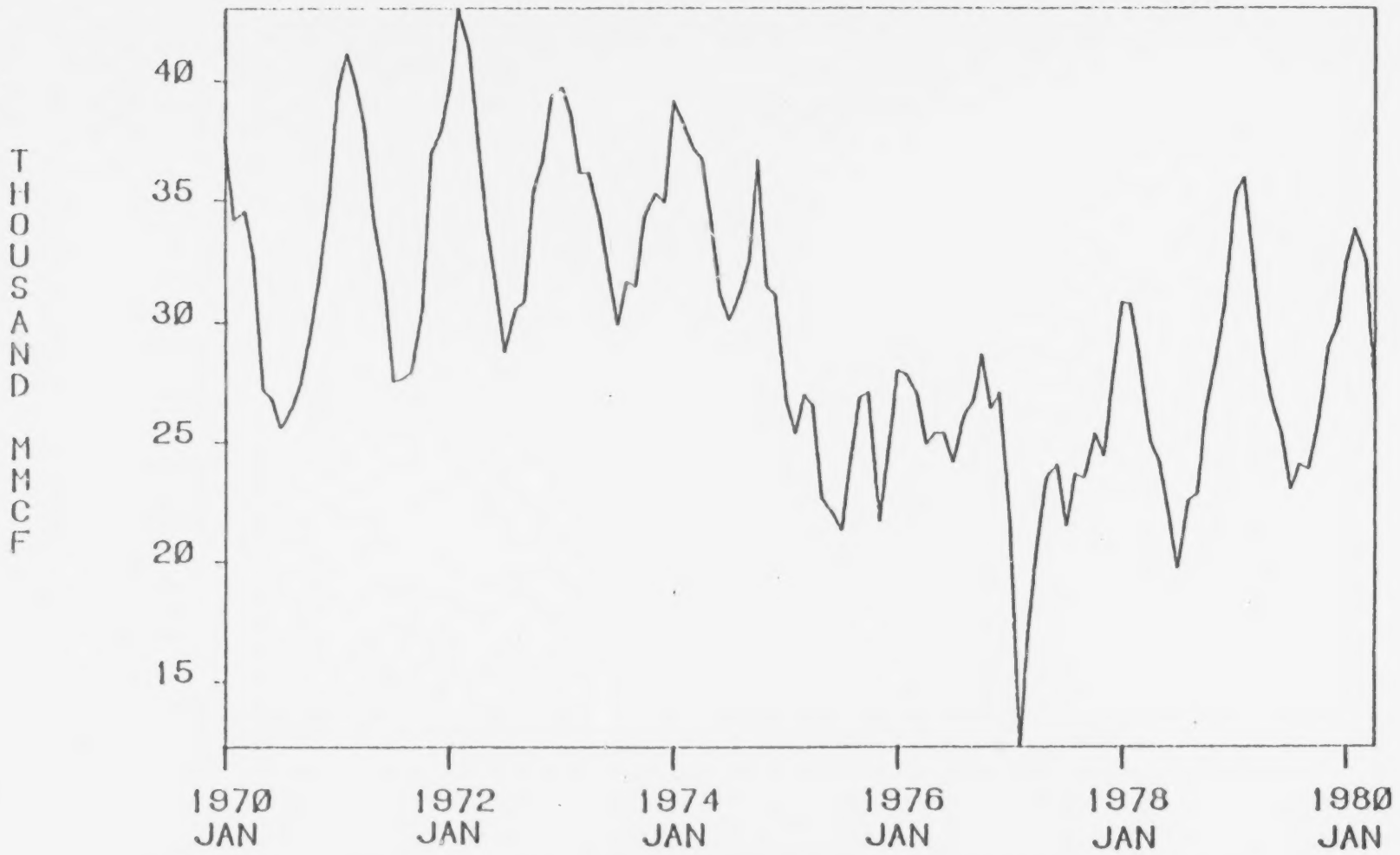
SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES AND THE OHIO DEPARTMENT OF ENERGY

FIGURE 12 MONTHLY OHIO COMMERCIAL NATURAL GAS CONSUMPTION
JANUARY 1970 - APRIL 1980



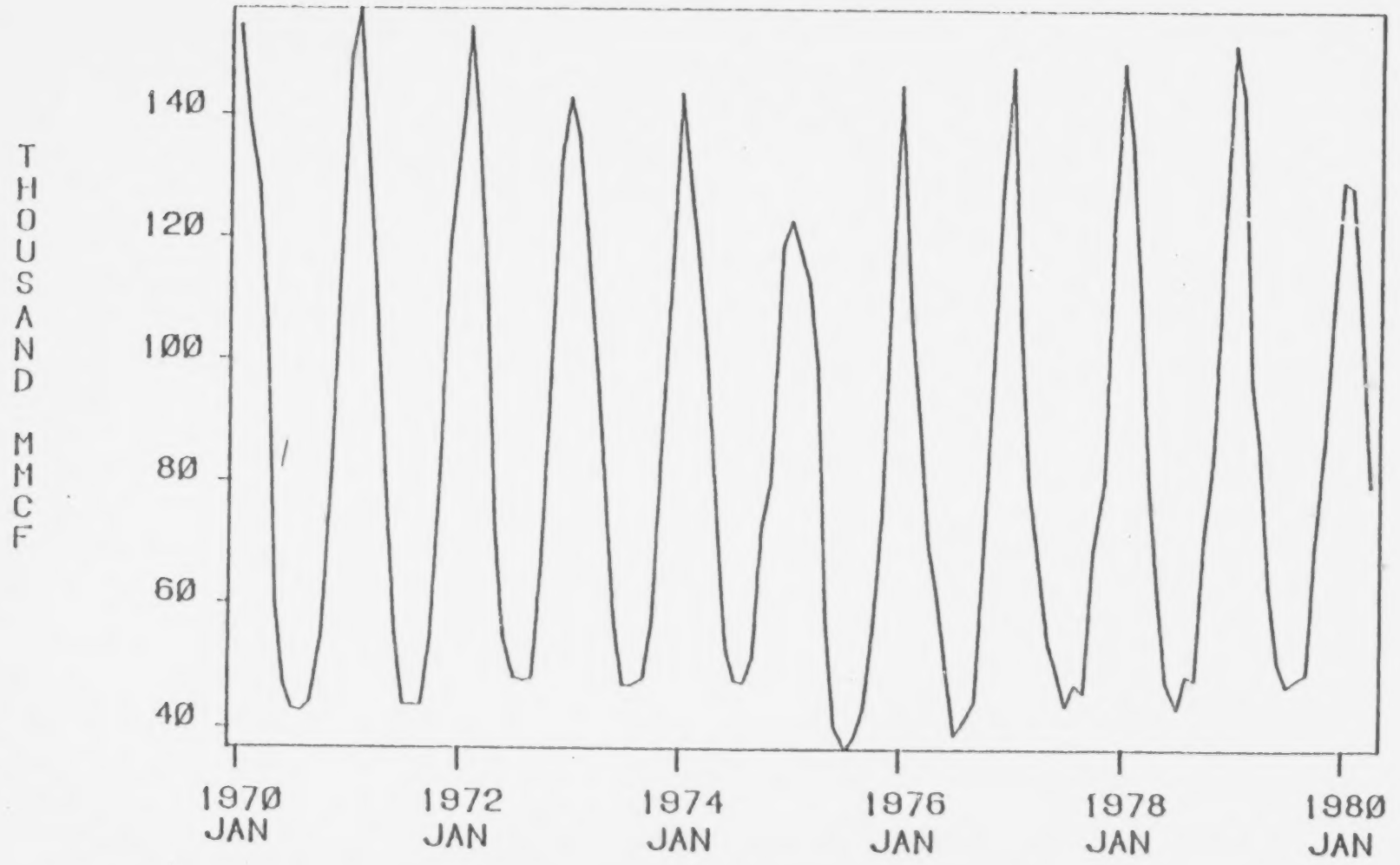
SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES AND THE OHIO DEPARTMENT OF ENERGY

FIGURE 13 MONTHLY OHIO INDUSTRIAL NATURAL GAS CONSUMPTION
JANUARY 1970 - APRIL 1980



SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES AND THE OHIO DEPARTMENT OF ENERGY

FIGURE 14 MONTHLY OHIO TOTAL NATURAL GAS CONSUMPTION
JANUARY 1970 - APRIL 1980



SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES AND THE OHIO DEPARTMENT OF ENERGY

Table 10. Comparison Between One Year of Actual and Forecast Supply For Eight Major Ohio Gas Utilities by Source (MMCF)

MO/YR	COLUMBIA GAS	CONSOLIDATED GAS	LAWRENCEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/80	31512	24271	128	80	5973	155	620	10	0	4904	2324	153	74	70204
5/79	26561	21513	211	10	5941	123	609	11	0	5603	2320	271	-208	62965
	18.6%	12.8%	-39.3%	700.0%	0.5%	26.0%	1.8%	-9.1%	0.0%	-12.5%	0.2%	-43.5%	135.6%	11.5%
6/80	23908	17645	195	65	5697	153	645	7	0	4886	1829	153	-17	55166
6/79	20119	16371	200	7	5608	116	542	8	0	6115	1826	153	-232	50833
	18.8%	7.8%	-2.5%	828.6%	1.6%	31.9%	19.0%	-12.5%	0.0%	-20.1%	0.2%	0.0%	92.7%	8.5%
7/80	22076	15122	120	50	5815	150	660	7	0	4905	1634	153	-7	50685
7/79	17738	14882	245	6	5718	112	572	8	0	5560	1633	159	-316	46317
	24.5%	1.6%	-51.0%	733.3%	1.7%	33.9%	15.4%	-12.5%	0.0%	-11.8%	0.1%	-3.8%	97.8%	9.4%
8/80	22963	14565	124	55	5918	150	600	7	0	4879	1661	153	-17	51058
8/79	18994	14639	0	7	5753	125	654	8	0	5912	1661	147	141	48041
	20.9%	-0.5%	999.9%	685.7%	2.9%	20.0%	-8.3%	-12.5%	0.0%	-17.5%	0.0%	4.1%	-112.1%	6.3%
9/80	24459	17566	119	60	5769	149	675	10	0	4928	1732	153	3	57592
9/79	20257	14554	209	33	5592	110	595	9	0	6529	1321	149	-207	49151
	20.7%	20.7%	-43.1%	81.8%	3.2%	35.5%	13.4%	11.1%	0.0%	-24.5%	31.1%	2.7%	101.4%	17.2%
10/80	34047	24239	111	100	6075	151	711	0	0	4951	2439	153	-53	72924
10/79	32683	23709	161	100	6125	129	642	17	0	5864	1915	215	-322	71238
	4.2%	2.2%	-31.1%	0.0%	-0.8%	17.1%	10.7%	-100.0%	0.0%	-15.6%	27.4%	-28.8%	83.5%	2.4%
11/80	49254	17450	30	140	5346	150	579	0	0	5082	3641	12258	-40	93890
11/79	45104	16448	194	136	6075	153	534	28	0	6402	3145	8086	-111	86194
	9.2%	6.1%	-84.5%	2.9%	-12.0%	-2.0%	8.4%	-100.0%	0.0%	-20.6%	15.8%	51.6%	64.0%	8.9%
12/80	65954	24449	32	175	6252	154	520	42	0	4805	4781	17196	-40	124320
12/79	57177	15895	90	159	6429	142	621	37	0	6511	4131	18636	79	109907
	15.4%	53.8%	-64.4%	10.1%	-2.8%	8.5%	-16.3%	13.5%	0.0%	-26.2%	15.7%	-7.7%	-150.6%	13.1%
1/81	76160	31977	29	180	6185	156	580	44	0	4759	5091	15020	-20	140161
1/80	67963	27772	104	190	6612	157	686	43	0	6330	4396	15241	128	129622
	12.1%	15.1%	-72.1%	-5.3%	-6.5%	-0.6%	-15.5%	2.3%	0.0%	-24.8%	15.8%	-1.5%	-115.6%	8.1%
2/81	65035	31300	31	155	5714	130	640	37	0	4800	4026	10607	834	123309
2/80	71368	30792	92	191	6354	130	647	45	0	4737	3480	10791	-109	128518
	-8.9%	1.6%	-66.3%	-18.8%	-10.1%	0.0%	-1.1%	-17.8%	0.0%	1.3%	15.7%	-1.7%	865.1%	-4.1%
3/81	56212	23548	29	160	7525	156	632	30	0	5254	3750	9037	706	107039
3/80	59607	24208	151	158	6556	133	640	35	0	5604	3240	9356	72	109760
	-5.7%	-2.7%	-80.8%	1.3%	14.8%	17.3%	-1.3%	-14.3%	0.0%	-6.2%	15.7%	-3.4%	880.6%	-2.5%
4/81	40706	26658	195	100	6654	150	600	22	0	5167	2700	485	461	83898
4/80	37721	26040	226	95	5926	148	546	19	0	5861	2700	431	-61	79652
	7.9%	2.4%	-13.7%	5.3%	12.3%	1.4%	9.9%	15.8%	0.0%	-11.8%	0.0%	12.5%	855.7%	5.3%
SUMMER TOTAL														
	199671	140066	992	510	41901	1058	4511	63	0	34620	14319	1403	444	441527
	174073	131708	1252	258	40663	863	4160	80	0	41444	13376	1525	-1205	408197
	14.7%	6.3%	-20.8%	97.7%	3.0%	22.6%	8.4%	-21.3%	0.0%	-16.5%	7.0%	-8.0%	136.8%	8.2%
WINTER TOTAL														
	312615	128724	151	810	31022	746	2951	153	0	24700	21289	64118	1440	588719
	301219	115115	631	834	32026	715	3128	188	0	29584	18392	62110	59	564001
	3.8%	11.8%	-76.1%	-2.9%	-3.1%	4.3%	-5.7%	-18.6%	0.0%	-16.5%	15.8%	3.2%	2340.7%	4.4%
YEAR TOTAL														
	512286	268790	1143	1320	72923	1804	7462	216	0	59320	35608	65521	1884	1030246
	475292	246823	1883	1092	72689	1578	7288	268	0	71028	31768	63635	-1146	972198
	7.8%	8.9%	-39.3%	20.9%	0.3%	14.3%	2.4%	-19.4%	0.0%	-16.5%	12.1%	3.0%	264.4%	6.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

led to implementation of effective natural gas conservation measures, and conversions to alternate fuels, on the part of the curtailed industrial customers.

The passage of the Natural Gas Policy Act of 1978, which decontroled some natural gas prices immediately, and which foresees the decontrol of all natural gas prices by the end of 1982, has already increased the availability of interstate natural gas supplies for Ohio. Along with the recent dramatic increases in the prices of major alternatives to natural gas, i.e. distillate fuel oils, the increased availability of interstate natural gas, although at a higher price, is expected to reverse the trend of declining natural gas consumption in Ohio in the forthcoming years.

The declining availability of interstate natural gas supplies in the 1972-78 period has influenced the residential consumption of natural gas as well. The weather sensitivity of residential consumption has been declining continuously in the service areas of the four large utilities from 1973 through 1978. As mentioned above, the increase in the price of fuel oil, along with greater availability of natural gas, seems to have stabilized the behavior of the weather sensitivity of residential natural gas consumption in 1979. This can be easily inferred from Table 11, where the residential response, in terms of increased MMCF's of natural gas consumed per unit increase in heating degree days per annum, is listed by the service areas of the four largest distribution companies, for each year from 1970 through 1979. In addition to indicating the differences in the weather sensitivity of residential consumption across different utility service areas, the declining values of the MMCF/Heating Degree Day coefficients for each utility service area, over the six or seven years preceding 1979, clearly testify to extensive gas conservation among significant numbers of residential customers. Table 10, when considered with the fact that residential energy

Table 11. Average Change in Residential Natural Gas Consumption Per Unit Change in Heating Degree Days

(1970-1979)

MMCF/Heating Degree Days

Year	Cincinnati Gas and Electric	Columbia Gas	Dayton Power and Light	East Ohio Gas
1970	6.43	21.64	5.69	22.95
1971	6.96	24.04	6.04	23.57
1972	6.95	23.81	5.77	24.22
1973	6.78	23.68	5.72	23.04
1974	6.78	23.35	5.58	24.21
1975	6.83	22.73	5.61	24.34
1976	6.34	21.22	5.04	22.52
1977	5.15	18.95	4.79	20.44
1978	5.11	18.00	4.54	19.74
1979	5.10	18.48	4.53	20.68

Source: O.S.U. Gas Model, monthly reports of four Ohio gas utilities and the Ohio Department of Energy.

Table 12. Comparison Between One Year of Actual and Forecast Demand For Eight Major Ohio Gas Utilities by Sector (MMCF)

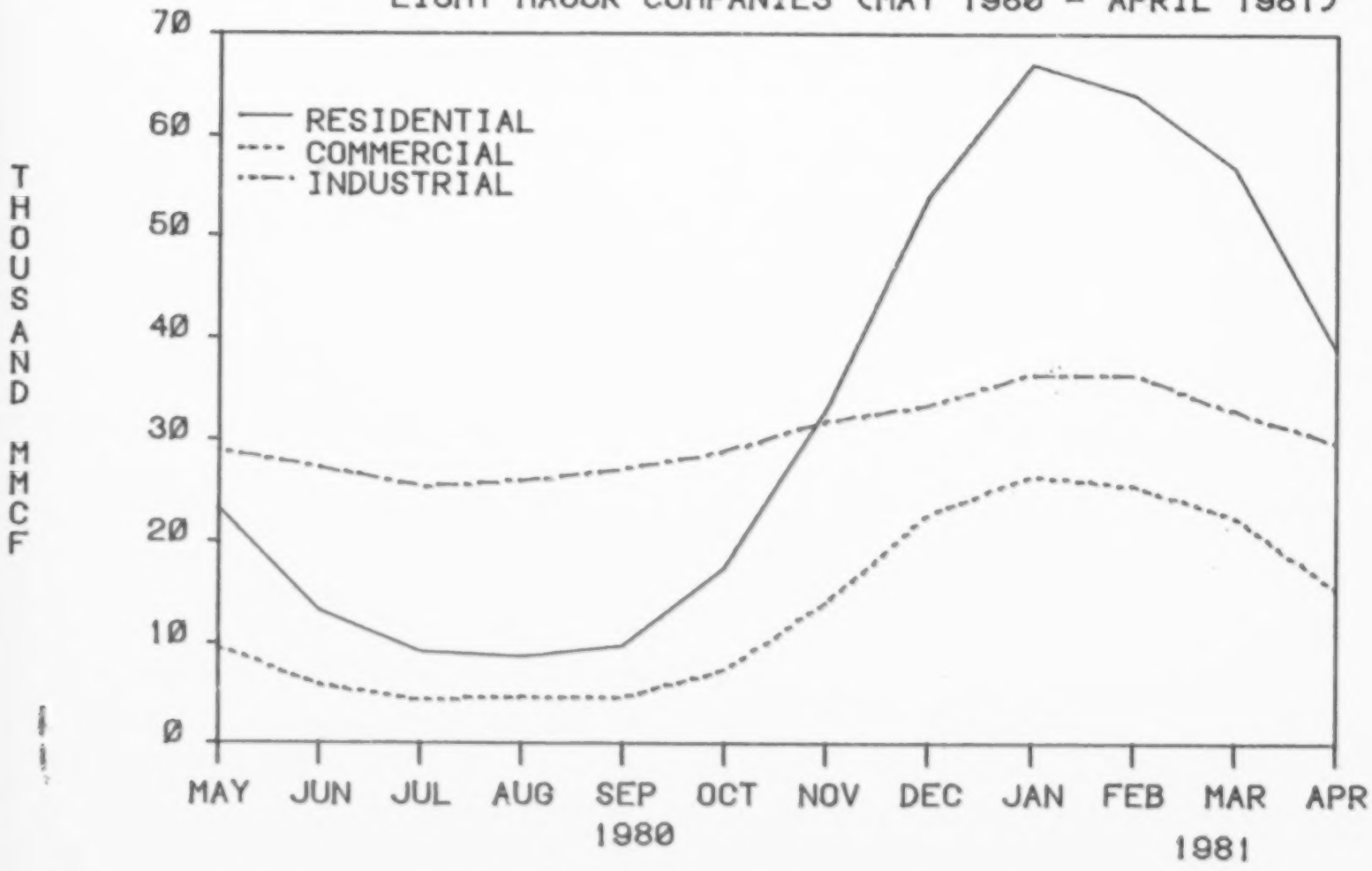
MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	202	23133	9556	28921	-5134	11997	68473	-1731
5/79	196	22720	8823	26907	-6452	10967	62965	0
	3.1%	1.8%	8.3%	7.5%	20.4%	9.4%	8.7%	999.9%
6/80	30	13053	5800	27280	-2989	11624	54768	-398
6/79	29	13577	5331	25295	-3073	9703	50833	0
	3.4%	-3.9%	8.8%	7.8%	2.7%	19.8%	7.7%	999.9%
7/80	5	8966	4359	25360	420	11083	50188	-497
7/79	5	9633	4167	23057	401	9659	46917	600
	0.0%	-6.9%	4.6%	10.0%	4.7%	14.7%	7.0%	-182.8%
8/80	11	8602	4704	25951	2003	10009	50769	-289
8/79	11	9389	4209	24040	945	9458	48041	0
	0.0%	-8.4%	11.8%	7.9%	112.0%	5.8%	5.7%	999.9%
9/80	87	9804	4611	27116	4470	9189	55190	-2402
9/79	87	8884	4128	23824	3272	9042	49150	-1
	0.0%	10.4%	11.7%	13.8%	36.6%	1.6%	12.3%	********%
10/80	334	17304	7323	28891	11882	7284	72684	-240
10/79	334	18049	7541	25671	12672	7305	71238	0
	0.0%	-4.1%	-2.9%	12.5%	-6.2%	-0.3%	2.0%	999.9%
11/80	690	32993	14086	31895	14426	0	93400	-490
11/79	686	32944	14140	28897	10175	38	86194	0
	0.6%	0.1%	-0.4%	10.4%	41.8%	-100.0%	8.4%	999.9%
12/80	1052	54939	22701	33443	13121	0	123304	-1016
12/79	1028	47863	20015	29823	11718	489	109908	1
	2.3%	12.9%	13.4%	12.1%	12.0%	-100.0%	12.2%	********%
1/81	1141	67019	26483	36561	7708	1326	139097	-1064
1/80	1124	59986	25106	32483	11613	434	129622	0
	1.5%	11.7%	5.5%	12.6%	-33.6%	205.5%	7.3%	999.9%
2/81	980	64113	25469	36467	-4870	1326	122505	-804
2/80	977	67433	27962	33771	-648	0	128518	0
	0.3%	-4.9%	-8.9%	8.0%	-651.5%	999.9%	-4.7%	999.9%
3/81	823	56803	22506	32924	-6437	0	105796	-1243
3/80	814	58253	24306	32514	-5402	9	109760	0
	1.1%	-2.5%	-7.7%	1.3%	-19.2%	-100.0%	-3.6%	999.9%
4/81	735	38885	15310	29756	-9131	8122	82942	-956
4/80	455	38860	14061	26741	-11181	9171	79652	0
	61.5%	0.1%	-4.7%	11.3%	18.3%	-11.4%	4.1%	999.9%
SUMMER TOTAL								
	1404	119747	51663	193275	1521	69308	435014	-6513
	1117	121112	50260	175535	-3416	65305	408796	599
	25.7%	-1.1%	2.8%	10.1%	144.5%	6.1%	6.4%	-1187.3%
WINTER TOTAL								
	4686	274967	111245	171290	23948	2652	584102	-4617
	4629	266479	111609	157488	27456	970	564002	1
	1.2%	3.2%	-0.3%	8.8%	-12.8%	173.4%	3.6%	********%
YEAR TOTAL								
	6090	394714	162908	364565	25469	71960	1019116	-11130
	5746	387591	161869	333023	24040	66275	972798	600
	6.0%	1.8%	0.6%	9.5%	5.9%	8.6%	4.8%	-1955.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

FIGURE 15 PROJECTED GAS REQUIREMENTS FOR OHIO BY SECTOR
EIGHT MAJOR COMPANIES (MAY 1980 - APRIL 1981)



SOURCE: MONTHLY PROJECTIONS OF EIGHT MAJOR GAS COMPANIES AND THE OHIO DEPARTMENT OF ENERGY

consumption in Ohio has not increased significantly since 1976, can be interpreted to reflect, in part, the effectiveness of the conservation promotion programs implemented by the ODOE and many others.

Since natural gas is the primary source of heating fuel for the residential and commercial sectors, over 60 percent of the natural gas consumed in Ohio is used during the winter heating season. Table 12 shows the actual and projected aggregate monthly demand by sector for the eight major distribution companies. Figure 15 shows projected monthly consumption by sector for Ohio.

Alternate Fuel Capability Profile

There have been no natural gas curtailments in the May 1979 - April 1980 annual period, and no curtailments are projected either by gas utilities or by the gas pipeline companies for the May 1980 - April 1981 annual period. Hence, there is no alternate capability profile to be presented at this time.

The current supply projections of Columbia Gas Transmission Co., as per its FERC Form 16 of April 30, 1980, ignore the cut off of LNG imports. The impact of this situation, if it continues into the 1980-81 heating season, would be reported by Columbia Gas Transmission in its FERC Form 16 of September 1980, and be reflected in Ohio Gas Utilities November 1980 short term forecasts.

Twelve Month Outlook

With the LNG imports resumed at projected levels before the beginning of the 1980-81 heating season, the outlook for the next twelve months would indicate no serious shortages under normal weather conditions and even under 10 percent colder than normal weather conditions.

In Table 19 we have constructed a senario which assumes no resumption of Algerian LNG, and a consequent across the board cut-off of 8.3 percent

from Columbia Gas Transmission Corp., along with zero supplies from Columbia LNG Corp. This supply situation is compared with 10 percent colder than normal winter requirements as projected by the ODOE.

It is estimated that a continued cut off of LNG imports would reduce utilities projected 10 percent colder than normal weather supplies by approximately 35,000 MMCF, or by 5.7 percent during the 1980-81 heating season. This is expected to translate into 6,052 MMCF, or 1.03 percent deficiency for the state as a whole during the same period of time. In view of the prevailing recession and the consequent decline in the rate of growth of industrial demand, the projected deficiencies may not be realized.

The next SG-2 projections of gas utilities, due in November 1980, should provide more conclusive indications as to how much curtailments, if any, may be necessary within individual utility service areas.

Utility Forecasts

Utility forecasts for the next twelve months project no deficiencies for Ohio under normal weather conditions. Aggregate supply and demand projections of the eight major utilities, as presented in Table 13 and Figure 16, indicate a 1.08 percent annual surplus of natural gas supplies over demand. Furthermore, all eight utilities project supply to be in excess of demand during the 1980 cooling season, as well as the 1980-1981 heating season. Supply and demand projections of indivudual utilities are summarized in Appendix B, Table B-17.

The forecasts presented in Table 13 and Figure 16,as well as those presented in Appendix B, Table B-17, are the actual supply and demand projections submitted by the utilities in their "Monthly Reports of Supply and Demand for Natural Gas."

Independent Forecast

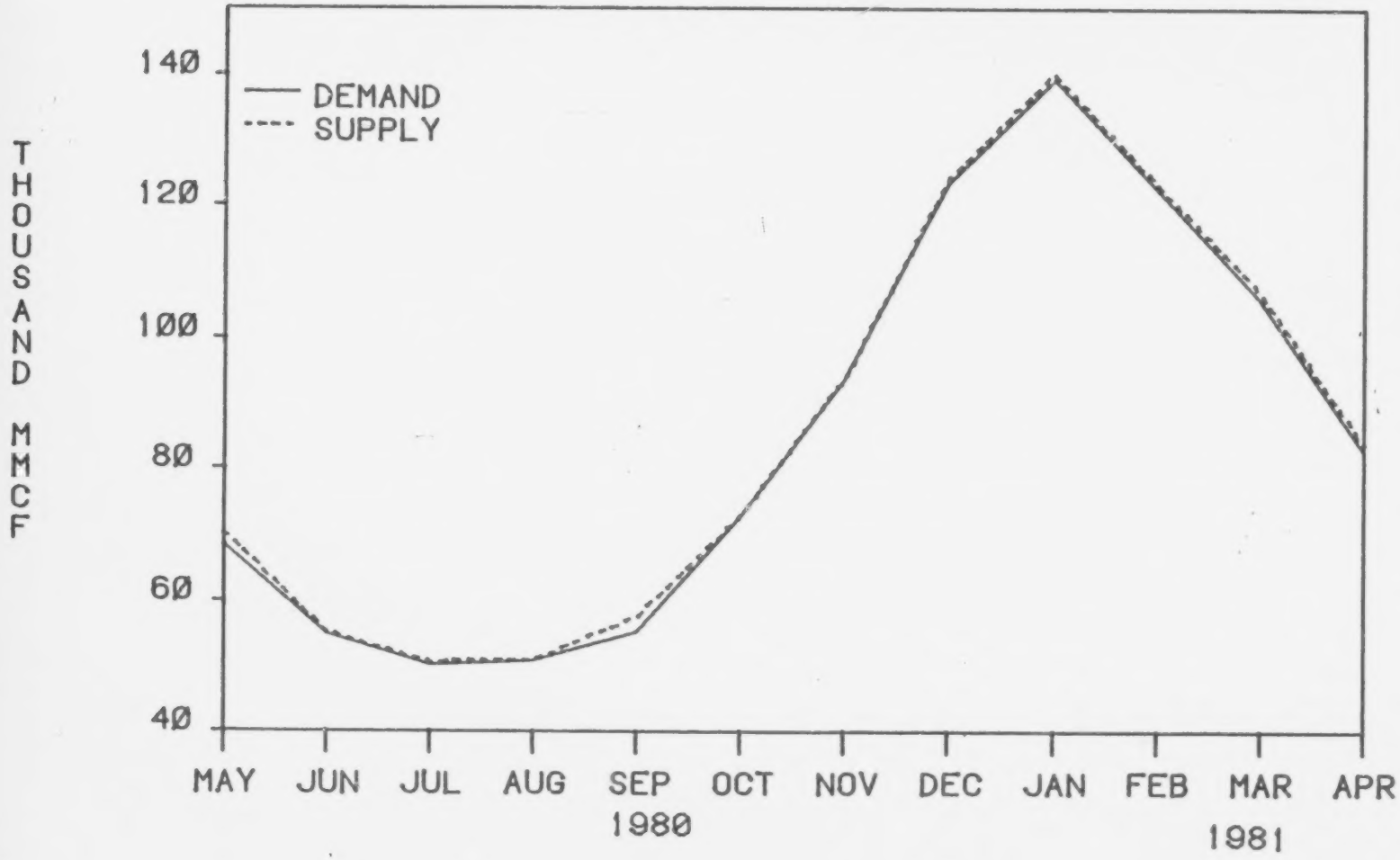
The law which created the Ohio Department of Energy requires the

Table 13. Projected Aggregate Supply and Demand for Natural Gas for Eight Major Ohio Gas Utilities May 1980 - April 1981 (MMCF)

Month/Year	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	Summer	Winter	Year
Supply	70,204	55,166	50,685	51,058	57,592	72,924	93,890	124,320	140,161	123,309	107,039	83,898	441,527	588,719	1,030,246
Demand	68,473	54,768	50,188	50,769	55,190	72,684	93,400	123,304	139,097	122,505	105,796	82,942	435,014	584,102	1,019,116
Deficiency	-1,731	- 398	- 497	- 289	-2,402	- 240	- 490	- 1,016	- 1,064	- 804	- 1,243	- 956	- 6,513	- 4,617	- 11,130
Percent Deficiency	-2.5	-.7	-1.0	-.6	-4.2	-.3	-.5	-.8	-.8	-.7	-1.2	-1.1	-1.5	-.8	-1.08

Source: Ohio Natural Gas Utilities and the Ohio Department of Energy.

FIGURE 16 PROJECTED SUPPLY & DEMAND OF NATURAL GAS FOR OHIO
EIGHT MAJOR COMPANIES (MAY 1980 - APRIL 1981)



SOURCE: MONTHLY PROJECTIONS OF EIGHT MAJOR GAS UTILITIES
AND THE OHIO DEPARTMENT OF ENERGY

development of independent ODOE forecasting capability within the Department and the preparation of independent forecasts. Independent natural gas demand forecasts based on two alternate methodologies have been developed by the ODOE for the eight major gas utilities serving Ohio. The first methodology employs regression analysis to forecast demand for each major utility as a function of the normal and ten percent colder than normal temperature scenarios, submitted by the respective utilities in their most recent ODOE SG-2 forms. The second methodology employed by the ODOE to forecast natural gas demand in each major utility service areas is based upon Box-Jenkins type time series models of monthly natural gas requirements of the respective utilities between January 1970 and September 1979. Such models when properly identified yield projections that possess desirable statistical properties and are deemed to be as accurate as, or more accurate than, alternative short-term forecasting techniques. They also have the added flexibility of yielding updated forecasts every time the most recent actual monthly requirements are reported to ODOE. The use of alternative methodologies is expected to provide a double check and reduce forecasting error , and thus, lead to a more accurate and decisive diagnosis of impending shortages.

The results obtained on the basis of both methodologies are presented in Tables 14 through 18. It can be concluded from Tables 14 through 18 that no shortages or curtailments of natural gas are to be expected during the 1980 - 81 heating season. However, to the extent that the supply forecasts of utilities used in Tables 14-18 do not reflect the influence of Algerian LNG cut off on Columbia Gas Transmission Corp.'s ability to meet its contract obligations for the 1980-81 heating season, Table 19, which adjusts for continued cut off of Algerian LNG imports, represents a more conservative interpretation of the projected supply and demand situation for natural gas in Ohio during the 1980-81 heating season.

Table 14. Independent Forecasts of Natural Gas Supply and Demand for the Eight Major Ohio Gas Utilities November 1980 - March 1981 (MMCF)

	Normal Weather			10% Colder Than Normal Weather			10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	Demand	Deficiency	Supply	Demand	Deficiency	Supply	Demand	Deficiency
Cincinnati Gas & Electric	65,434	55,236	-10,198	68,850	59,144	- 9,706	68,850	59,657	- 9,193
Columbia Gas	218,775	202,864	-15,911	232,516	215,900	-16,616	232,516	215,954	-16,562
Dayton Power and Light	42,524	41,366	- 1,158	45,612	44,498	- 1,114	45,612	43,242	- 2,370
East Ohio Gas	227,897	233,300	5,403	241,140	244,834	3,694	241,140	232,022	- 9,118
National Gas	7,094	5,552	- 1,542	7,094	5,878	- 1,216	7,094	5,878	- 1,216
Ohio Gas	9,047	4,479	- 4,568	9,047	4,808	- 4,239	9,047	4,808	- 4,239
River Gas	3,169	3,169	0	3,340	3,340	0	3,340	3,340	0
West Ohio Gas	9,778	9,778	0	10,413	10,413	0	10,413	10,413	0
Total	583,718	555,744	-27,974	618,012	588,815	-29,197	618,012	575,314	-42,698

Note: A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: July 1, 1980 SG-2 forms of the reporting utilities, and the Ohio Department of Energy.

Table 15. Independent Forecasts of Gas Supply and Demand for Cincinnati Gas and Electric Company November 1980 - March 1981 (MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	HDD	Demand	Deficiency	Supply	HDD	Demand	Deficiency	Supply	Demand	Deficiency
November 1980	10,440	636	9,058	- 1,382	10,952	700	9,644	- 1,308	10,952	8,686	- 2,266
December 1980	14,285	970	12,114	- 2,171	15,061	1,067	13,002	- 2,059	15,061	12,188	- 2,873
January 1981	15,198	1,051	12,855	- 2,343	16,038	1,156	13,816	- 2,222	16,038	14,828	- 1,210
February 1981	13,317	888	11,364	- 1,953	14,029	977	12,178	- 1,851	14,029	13,516	- 513
March 1981	12,194	722	9,845	- 2,349	12,770	794	10,504	- 2,266	12,770	10,439	- 2,331
Total	65,434		55,236	-10,198	68,850		59,144	- 9,706	68,850	59,657	- 9,193

Note: Totals may not add due to independent rounding.
HDD - Heating Degree Days
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: July 1, 1980 SG-2 forms of the reporting utility, and the Ohio Department of Energy.

Table 16. Independent Forecasts of Gas Supply and Demand for Columbia Gas of Ohio November 1980 - March 1981 (MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	HDD	Demand	Deficiency	Supply	HDD	Demand	Deficiency	Supply	Demand	Deficiency
November 1980	33,620	570	30,254	- 3,366	35,158	627	31,831	- 3,327	35,158	32,377	- 2,781
December 1980	46,369	951	40,800	- 5,569	49,064	1,046	43,429	- 5,635	49,064	43,792	- 5,272
January 1981	54,596	1,173	46,945	- 7,651	58,021	1,290	50,183	- 7,838	58,021	52,735	- 5,286
February 1981	44,918	1,102	44,979	61	48,212	1,212	48,024	- 188	48,212	47,959	- 253
March 1981	39,272	918	39,886	614	42,061	1,010	42,433	372	42,061	39,091	- 2,970
Total	218,775		202,864	-15,911	232,516		215,900	-16,616	232,516	215,954	-16,562

Note: Totals may not add due to independent rounding.
HDD - Heating Degree Days
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: July 1, 1980 SG-2 forms of the reporting utility, and the Ohio Department of Energy.

Table 17. Independent Forecasts of Gas Supply and Demand for Dayton Power and Light November 1980 - March 1981 (MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	HDD	Demand	Deficiency	Supply	HDD	Demand	Deficiency	Supply	Demand	Deficiency
November 1980	6,199	482	5,408	- 791	6,525	530	5,746	- 779	6,525	5,707	- 818
December 1980	8,656	865	8,104	- 552	9,246	952	8,717	- 529	9,246	8,185	-1,061
January 1981	9,761	1,111	9,836	75	10,515	1,222	10,617	102	10,515	10,235	- 280
February 1981	10,022	1,135	10,005	- 17	10,863	1,249	10,807	- 56	10,863	11,109	246
March 1981	7,886	852	8,013	127	8,463	937	8,611	148	8,463	8,006	- 457
Total	42,524		41,366	-1,158	45,612		44,498	-1,114	45,612	43,242	-2,370

Note: Totals may not add due to independent rounding.
HDD - Heating Degree Days
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: July 1, 1980 SG-2 forms of the reporting utility, and the Ohio Department of Energy.

Table 18. Independent Forecasts of Gas Supply and Demand for East Ohio Gas November 1980 - March 1981 (MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	HDD	Demand	Deficiency	Supply	HDD	Demand	Deficiency	Supply	Demand	Deficiency
November 1980	36,309	517	36,027	- 282	38,349	569	37,274	- 1,075	38,349	37,261	- 1,088
December 1980	48,766	946	46,315	-2,451	51,978	1,041	48,593	- 3,385	51,978	46,830	- 5,148
January 1981	52,921	1,192	52,214	- 707	55,975	1,311	55,067	- 908	55,975	55,656	- 319
February 1981	47,741	1,137	50,895	3,154	50,396	1,251	53,629	3,233	50,396	51,380	984
March 1981	42,160	1,010	47,849	5,689	44,442	1,111	50,271	5,829	44,442	40,895	- 3,547
Total	227,897		233,300	5,403	241,140		244,834	3,694	241,140	232,022	- 9,118

Note: Totals may not add due to independent rounding.
HDD - Heating Degree Days
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: July 1 1980 SG-2 forms of the reporting utility, and the Ohio Department of Energy.

Table 19. Independent Forecasts of 10% Colder Than Normal Weather Natural Gas Supply and Demand for the Eight Major Ohio Gas Utilities Assuming Cut-off of Algerian LNG
November 1980 - March 1981
(MMCF)

	Total Supply	Estimated Share of LNG in Total Supply	Supply Assuming Cutoff of LNG	Demand	Deficiency
Cincinnati Gas & Electric	68,850	9,207	59,643	59,144	- 499
Columbia Gas	232,516	18,024	214,492	215,900	1,408
Dayton Power & Light	45,612	6,646	38,966	44,498	5,532
East Ohio Gas	241,140	0	241,140	244,834	3,694
National Gas	7,094	2	7,092	5,878	-1,214
Ohio Gas	9,047	0	9,047	4,808	-4,239
River Gas	3,340	0	3,340	3,340	0
West Ohio Gas	10,413	1,370	9,043	10,413	1,370
Total	618,012	35,249	582,763	588,815	6,052

Note: A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: Ohio Natural Gas Utilities and the Ohio Department of Energy.

APPENDIX A

FORECAST OF ELECTRICITY DEMAND BY UTILITY

TABLE A-1 ALLEGHENY POWER SYSTEM:
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	2504	2652	5.9	2522	0.7
August	2643	2731	3.3	2638	-0.1
September	2439	2652	8.7	2371	-2.7
October	2647	2776	4.8	2537	-4.1
November	2590	2841	9.6	2540	-1.9
December	2810	3167	12.7	2775	-1.2
January	3010	3388	12.5	2967	-1.4
February	2893	3123	7.9	2726	-5.7
March	2878	3019	4.8	2706	-5.9
April	2512	2801	11.5	2454	-2.3
May	2404	2837	18.0	2427	0.9
June	----	2757	----	2378	----

*Source of demand figures is FPC Form 12E-2. June actual figures unavailable.

TABLE A-2 AMERICAN ELECTRIC POWER·
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast %Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	5940	6155	3.6	5865	-1.2
August	6243	6472	3.6	6115	-1.4
September	5635	6099	8.2	5278	-6.3
October	6102	6250	2.4	5964	-2.2
November	6201	6492	4.6	6318	1.8
December	6701	7289	8.7	6767	0.9
January	7159	8010	11.8	7181	0.3
February	6934	7217	4.0	6845	-1.2
March	6860	7152	4.2	6645	-3.1
April	5914	6385	7.9	5747	-2.8
May	5667	6316	11.4	5557	-1.9
June	----	6166	----	5522	----

*Source of demand figures is FPC Form 12, June actual figure unavailable.

TABLE A-3 CINCINNATI GAS AND ELECTRIC:
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast %Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	1327	1532	15.4	1395	5.1
August	1389	1495	7.6	1415	1.8
September	1179	1197	1.5	1242	5.3
October	1176	1196	1.7	1199	1.9
November	1184	1251	5.6	1215	2.6
December	1287	1484	15.3	1334	3.6
January	1371	1474	7.5	1439	4.9
February	1337	1231	-7.9	1331	-.4
March	1310	1248	-4.7	1297	-.9
April	1126	1177	4.5	1156	2.6
May	1128	1282	13.6	1193	5.7
June	----	1337	----	1320	---

*Source of demand figures is FPC Form 12E-2. June actual figure unavailable.

TABLE A-4 CLEVELAND ELECTRIC ILLUMINATING:
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast %Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	1684	1698	0.8	1624	-3.5
August	1693	1709	0.9	1669	-1.4
September	1520	1572	3.4	1464	-3.6
October	1572	1608	2.2	1486	-5.4
November	1530	1592	4.0	1461	-4.5
December	1611	1691	4.9	1532	-4.9
January	1717	1798	4.7	1601	-6.7
February	1629	1557	-4.4	1475	-9.4
March	1656	1675	1.1	1557	-5.9
April	1474	1571	6.5	1449	-1.6
May	1445	1632	12.9	1491	3.1
June	----	1684	---	1535	---

*Source of demand figures is FPC Form 12, Schedule 14, Column 9. June actual figure unavailable.

TABLE A-5 COLUMBUS AND SOUTHERN OHIO ELECTRIC:
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast %Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	799	883	10.5	849	6.2
August	821	854	4.0	858	4.5
September	720	771	7.0	765	6.2
October	745	761	2.1	758	1.7
November	752	815	8.3	774	2.9
December	816	911	11.6	853	4.5
January	881	1021	15.8	924	4.8
February	847	831	-1.8	846	-0.1
March	853	803	-5.8	831	-2.5
April	717	728	1.5	730	1.8
May	699	803	14.8	742	6.1
June	____	854	____	802	____

*Source of demand figures is FPC Form 12E-2. June actual figure unavailable.

TABLE A-6 DAYTON POWER AND LIGHT :
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast %Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	874	972	11.2	876	0.2
August	934	952	1.9	913	-2.2
September	820	850	3.6	819	-.1
October	848	902	6.3	839	-1.0
November	878	916	4.3	867	-1.2
December	938	1024	9.1	948	1.0
January	1024	1107	8.1	1048	2.3
February	990	1024	3.4	976	-1.4
March	948	1022	7.8	927	-2.2
April	819	905	10.5	807	-1.4
May	758	901	18.8	777	2.5
June	---	913	---	825	---

*Source of demand figures is FPC Form 12E-2. June actual figure unavailable.

TABLE A-7 OHIO EDISON (CONSOLIDATED):
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast %Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	2014	2134	5.9	1995	-0.9
August	2090	2188	4.6	2045	-2.1
September	1920	2036	6.0	1840	-4.1
October	2048	2088	1.9	1976	-3.5
November	1972	2127	7.8	1904	-3.4
December	2070	2625	26.8	2007	-3.0
January	2247	2414	7.4	2131	-5.1
February	2142	2089	-2.4	1946	-9.1
March	2141	2211	3.2	1985	-7.2
April	1883	2110	12.0	1791	-4.8
May	1806	2050	13.5	1780	-1.4
June	----	2224	---	1810	----

*Source of demand figures is FPC 12E-2. June actual figure unavailable.

TABLE A-8 OHIO VALLEY ELECTRIC CORPORATION:
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	1251	1321	5.5
August	1187	1363	14.8
September	1148	1257	9.4
October	585	1303	122.7
November	554	1346	142.9
December	594	1370	130.6
January	594	1493	151.3
February	547	1340	144.9
March	587	1517	158.4
April	575	1462	154.2
May	592	1558	163.1
June	483	1401	190.0

*Source of demand figures is FPC Form 12E-2.

TABLE A-9 TOLEDO EDISON COMPANY:
FORECAST OF ELECTRIC ENERGY DEMAND
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast %Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
July	671.0	690	2.8	651	-2.9
August	675.0	676	0.1	678	0.4
September	608.0	648	6.5	619	1.8
October	667.0	686	2.8	663	-.5
November	664.0	683	2.8	653	-1.6
December	676.0	741	9.6	677	0.1
January	743.0	803	8.0	741	0.2
February	700.0	787	12.4	677	3.2
March	709.0	775	9.3	679	-4.2
April	607.0	733	20.7	593	-2.3
May	580.0	701	20.8	593	2.2
June	----	726	----	624	---

*Source of demand figures is FPC 12E-2. June actual figure unavailable.

Table A-10 Forecast of Ohio Electricity Demand-Residential Sector
(1000 MWH)

	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
July	1,897.0	2,198.1	2,499.1	2,097.5	4.7
August	2,030.4	2,345.2	2,659.9	2,315.2	1.2
September	2,017.2	2,345.0	2,672.9	2,217.1	5.7
October	1,714.3	2,054.7	2,395.1	1,964.1	4.6
November	1,894.9	2,247.5	2,600.0	2,175.4	3.3
December	2,288.6	2,652.9	3,017.2	2,541.1	4.3
January	2,736.6	3,112.2	3,487.9	2,946.4	5.6
February	2,774.3	3,161.0	3,547.8	2,978.8	6.1
March	2,509.6	2,907.0	3,304.4	2,827.9	2.7
April	2,043.7	2,451.6	2,859.5	2,374.0	3.2
May	1,612.6	2,030.6	2,448.7	1,955.3	3.8
June	1,597.1	2,066.9	2,536.7	*	*

Notes:

1. The forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).
2. (*) indicates data not available at the time of preparation.
3. Forecast by ODOE.

Table A-11 Forecast of Ohio Electricity Demand-Commercial Sector
(1000 MWH)

Month	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
July	1,680.2	1,803.3	1,926.4	1,697.7	6.2
August	1,728.8	1,861.4	1,994.0	1,777.7	4.7
September	1,710.1	1,851.6	1,993.0	1,712.3	8.1
October	1,497.0	1,646.8	1,796.5	1,547.2	6.4
November	1,490.3	1,648.0	1,805.7	1,550.2	6.3
December	1,584.2	1,749.4	1,914.5	1,642.2	6.5
January	1,683.6	1,856.0	2,028.4	1,732.7	7.1
February	1,710.8	1,890.1	2,069.4	1,785.8	5.8
March	1,576.5	1,762.4	1,948.3	1,720.5	2.4
April	1,446.6	1,638.9	1,831.2	1,596.7	2.6
May	1,376.9	1,575.4	1,773.9	1,518.9	3.7
June	1,520.8	1,737.9	1,955.1	*	*

Notes:

1. The forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).
2. (*) indicates data not available at the time of preparation.
3. Forecast by ODOE.

Table A-12 Forecast of Ohio Electricity Demand-Industrial Sector
(1000 MWH)

Month	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
July	3,363.1	3,641.9	3,920.7	4,194.1	-13.1
August	3,429.4	3,770.8	4,112.3	4,261.0	-11.5
September	3,373.6	3,767.9	4,162.2	4,070.8	- 7.4
October	3,382.7	3,823.5	4,264.4	4,132.3	- 7.4
November	3,265.1	3,748.0	4,230.9	4,032.8	- 7.0
December	3,119.5	3,641.1	4,162.7	3,920.5	- 7.1
January	3,160.3	3,717.9	4,275.5	4,055.4	- 8.3
February	3,082.7	3,674.2	4,265.6	4,143.9	-11.3
March	3,194.0	3,817.4	4,440.8	4,196.2	- 9.0
April	3,119.3	3,773.1	4,427.0	4,006.3	- 5.8
May	3,113.4	3,796.3	4,479.2	3,785.3	0.2
June	3,083.4	3,794.6	4,505.8	*	*

Notes:

1. The Forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).
2. (*) indicates data not available at the time of preparation.
3. Forecast by ODOE.

Table A-13 Forecast at Ohio Electricity Demand-All Sectors
(1000 MWH)

Month	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
July	8,112.5	8,644.7	9,176.9	3,434.0	2.4
August	8,291.4	8,943.2	9,595.0	8,813.5	1.4
September	8,015.6	8,768,3	9,520.9	8,444.3	3.8
October	7,551.0	8,392.4	9,233.9	8,104.6	3.5
November	7,513.6	8,435.4	9,357.1	8,217.1	2.6
December	7,890.9	8,886.5	9,882.1	8,582.2	3.5
January	8,525.3	9,589.7	1,065.4	9,244.2	3.7
February	8,438.8	9,567.7	1,069.7	9,419.9	1.5
March	8,052.3	9,242.3	1,043.2	9,245.0	0.0
April	7,345.3	8,593.3	9,841.4	8,439.5	1.8
May	7,122.6	8,426.2	9,729.7	7,704.9	9.3
June	7,222.3	8,630.9	1,004.0	*	*

Notes:

1. The forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).
2. (*) indicates data not available at the time of preparation.
3. Forecast by ODOE.

APPENDIX B

FORECAST OF NATURAL GAS DEMAND BY UTILITY

Table B-1. Comparison Between Two Years of Actual Gas Supply For Cincinnati Gas and Electric Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	4072	0	211	0	0	0	0	11	0	193	387	0	0	4874
5/78	4208	0	81	0	0	0	0	13	0	64	387	0	0	4753
	-3.2%	0.0%	160.5%	0.0%	0.0%	0.0%	0.0%	-15.4%	0.0%	201.6%	0.0%	0.0%	0.0%	2.5%
6/79	3035	0	200	0	0	0	0	8	0	189	306	0	0	3738
6/78	2476	0	113	0	0	0	0	7	0	73	306	0	0	2975
	22.6%	0.0%	77.0%	0.0%	0.0%	0.0%	0.0%	14.3%	0.0%	158.9%	0.0%	0.0%	0.0%	25.6%
7/79	2799	0	245	0	0	0	0	8	0	195	294	0	0	3541
7/78	2319	0	179	0	0	0	0	6	0	44	294	0	0	2842
	20.7%	0.0%	36.9%	0.0%	0.0%	0.0%	0.0%	33.3%	0.0%	343.2%	0.0%	0.0%	0.0%	24.6%
8/79	2959	0	0	0	0	0	0	8	0	212	294	0	0	3473
8/78	3044	0	120	0	0	0	0	7	0	98	294	0	72	3635
	-2.8%	0.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	14.3%	0.0%	116.3%	0.0%	0.0%	-100.0%	-4.5%
9/79	2713	0	209	0	0	0	0	9	0	154	214	0	0	3299
9/78	2890	0	141	0	0	0	0	8	0	136	293	0	0	3468
	-6.1%	0.0%	48.2%	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%	13.2%	-27.0%	0.0%	0.0%	-4.9%
10/79	5628	0	161	0	0	0	0	17	0	206	338	0	0	6350
10/78	5803	0	107	0	0	0	0	18	0	146	391	0	0	6465
	-3.0%	0.0%	50.5%	0.0%	0.0%	0.0%	0.0%	-5.6%	0.0%	41.1%	-13.6%	0.0%	0.0%	-1.8%
11/79	7963	0	194	0	0	0	0	28	0	181	557	0	0	8923
11/78	7767	0	42	0	0	0	0	25	0	139	644	0	0	8617
	2.5%	0.0%	361.9%	0.0%	0.0%	0.0%	0.0%	12.0%	0.0%	30.2%	-13.5%	0.0%	0.0%	3.6%
12/79	10608	0	90	0	0	0	0	37	0	190	742	1	0	11668
12/78	11256	0	42	0	0	0	0	39	0	162	857	22	0	12378
	-5.8%	0.0%	114.3%	0.0%	0.0%	0.0%	0.0%	-5.1%	0.0%	17.3%	-13.4%	-95.5%	0.0%	-5.7%
1/80	12411	0	104	0	0	0	0	43	0	197	784	3	0	13542
1/79	15159	0	23	0	0	0	0	55	0	188	907	69	0	16401
	-18.1%	0.0%	352.2%	0.0%	0.0%	0.0%	0.0%	-21.8%	0.0%	4.8%	-13.6%	-95.7%	0.0%	-17.4%
2/80	12578	0	92	0	0	0	0	45	0	213	751	2	0	13681
2/79	13115	0	14	0	0	0	0	48	0	159	867	56	0	14259
	-4.1%	0.0%	557.1%	0.0%	0.0%	0.0%	0.0%	-6.3%	0.0%	34.0%	-13.4%	-96.4%	0.0%	-4.1%
3/80	10029	0	151	0	0	0	0	35	0	207	673	6	0	11101
3/79	8517	0	60	0	0	0	0	28	0	146	778	27	0	9556
	17.8%	0.0%	151.7%	0.0%	0.0%	0.0%	0.0%	25.0%	0.0%	41.8%	-13.5%	-77.8%	0.0%	16.2%
4/80	5598	0	226	0	0	0	0	19	0	238	521	0	0	6602
4/79	6453	0	121	0	0	0	0	21	0	180	521	0	0	7296
	-13.2%	0.0%	86.8%	0.0%	0.0%	0.0%	0.0%	-9.5%	0.0%	32.2%	0.0%	0.0%	0.0%	-9.5%
SUMMER TOTAL														
	26804	0	1252	0	0	0	0	80	0	1387	2354	0	0	31877
	27193	0	862	0	0	0	0	80	0	741	2486	0	72	31434
	-1.4%	0.0%	45.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	87.2%	-5.3%	0.0%	-100.0%	1.4%
WINTER TOTAL														
	53589	0	631	0	0	0	0	188	0	988	3507	12	0	58915
	55814	0	181	0	0	0	0	195	0	794	4053	174	0	61211
	-4.0%	0.0%	248.6%	0.0%	0.0%	0.0%	0.0%	-3.6%	0.0%	24.4%	-13.5%	-93.1%	0.0%	-3.8%
YEAR TOTAL														
	80393	0	1883	0	0	0	0	268	0	2375	5861	12	0	90792
	83007	0	1043	0	0	0	0	275	0	1535	6539	174	72	92645
	-3.1%	0.0%	80.5%	0.0%	0.0%	0.0%	0.0%	-2.5%	0.0%	54.7%	-10.4%	-93.1%	-100.0%	-2.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-2. Comparison Between Two Years of Actual Gas Supply For Columbia Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	18818	0	0	0	0	0	0	0	0	588	1595	0	-149	20852
5/78	18309	0	0	0	0	0	0	0	0	259	1595	0	70	20233
	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	127.0%	0.0%	0.0%	-312.9%	3.1%
6/79	13792	0	0	0	0	0	0	0	0	558	1289	0	-217	15422
6/78	12670	0	0	0	0	0	0	0	0	241	1289	0	-112	14088
	8.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	131.5%	0.0%	0.0%	-93.8%	9.5%
7/79	12363	0	0	0	0	0	0	0	0	480	1158	0	-300	13701
7/78	12004	0	0	0	0	0	0	0	0	436	1158	0	-9	13589
	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.1%	0.0%	0.0%	-3233.3%	0.8%
8/79	13418	0	0	0	0	0	0	0	0	513	1174	0	152	15257
8/78	15446	0	0	0	0	0	0	0	0	444	1174	0	115	17179
	-13.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.5%	0.0%	0.0%	32.2%	-11.2%
9/79	14777	0	0	0	0	0	0	0	0	530	933	0	-158	16082
9/78	14212	0	0	0	0	0	0	0	0	501	1268	0	-210	15771
	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.8%	-26.4%	0.0%	24.8%	2.0%
10/79	22526	0	0	0	0	0	0	0	0	528	1514	0	-224	24344
10/78	22956	0	0	0	0	0	0	0	0	599	1755	0	-123	25187
	-1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.9%	-13.7%	0.0%	-82.1%	-3.3%
11/79	30198	0	0	0	0	0	0	0	0	623	2114	0	-60	32875
11/78	28386	0	0	0	0	0	0	0	0	766	2449	0	32	31633
	6.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-18.7%	-13.7%	0.0%	-287.5%	3.9%
12/79	37908	0	0	0	0	0	0	0	0	615	2725	0	142	41390
12/78	40203	0	0	0	0	0	0	0	0	223	3158	0	298	43882
	-5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	175.8%	-13.7%	0.0%	-52.3%	-5.7%
1/80	45837	0	0	0	0	0	0	0	0	495	2872	0	99	49303
1/79	53298	0	0	0	0	0	0	0	0	399	3328	0	-6	57019
	-14.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	24.1%	-13.7%	0.0%	1750.0%	-13.5%
2/80	46193	0	0	0	0	0	0	0	0	562	2618	0	-131	49242
2/79	49007	0	0	0	0	0	0	0	0	534	3033	0	-60	52514
	-5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	-13.7%	0.0%	-118.3%	-6.2%
3/80	39486	0	0	0	0	0	0	0	0	396	2468	0	-44	42306
3/79	33117	0	0	0	0	0	0	0	0	436	2860	0	203	36616
	19.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.2%	-13.7%	0.0%	-121.7%	15.5%
4/80	25296	0	0	0	0	0	0	0	0	437	2102	0	-85	27750
4/79	27367	0	0	0	0	0	0	0	0	578	2102	0	-22	30025
	-7.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-24.4%	0.0%	0.0%	-286.4%	-7.6%
SUMMER TOTAL														
	120990	0	0	0	0	0	0	0	0	3634	9765	0	-981	133408
	122964	0	0	0	0	0	0	0	0	3058	10341	0	-291	136072
	-1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18.8%	-5.6%	0.0%	-237.1%	-2.0%
WINTER TOTAL														
	199622	0	0	0	0	0	0	0	0	2691	12797	0	6	215116
	204011	0	0	0	0	0	0	0	0	2358	14828	0	467	221664
	-2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.1%	-13.7%	0.0%	-98.7%	-3.0%
YEAR TOTAL														
	320612	0	0	0	0	0	0	0	0	6325	22562	0	-975	348524
	326975	0	0	0	0	0	0	0	0	5416	25169	0	176	357736
	-1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.8%	-10.4%	0.0%	-654.0%	-2.6%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-3. Comparison Between Two Years of Actual Gas Supply For Dayton Power and Light Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	3091	0	0	0	6	0	0	0	0	0	281	0	0	3378
5/78	4042	0	0	0	5	0	0	0	0	0	281	0	0	4328
	-23.5%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-22.0%
6/79	2789	0	0	0	3	0	0	0	0	0	191	0	0	2983
6/78	2242	0	0	0	4	0	0	0	0	0	191	1	0	2438
	24.4%	0.0%	0.0%	0.0%	-25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	22.4%
7/79	2164	0	0	0	3	0	0	0	0	0	147	0	0	2314
7/78	1887	0	0	0	3	0	0	0	0	0	146	0	0	2036
	14.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	13.7%
8/79	2185	0	0	0	3	0	0	0	0	0	155	0	0	2343
8/78	2117	0	0	0	3	0	0	0	0	0	155	0	0	2275
	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
9/79	2263	0	0	0	4	0	0	0	0	0	140	0	0	2407
9/78	2373	0	0	0	3	0	0	0	0	0	186	0	0	2562
	-4.6%	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-24.7%	0.0%	0.0%	-6.0%
10/79	3654	0	0	0	7	0	0	0	0	0	0	0	0	3661
10/78	3525	0	0	0	9	0	0	0	0	0	253	0	0	3787
	3.7%	0.0%	0.0%	0.0%	-22.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-3.3%
11/79	5634	0	0	0	14	0	0	0	0	0	384	0	0	6032
11/78	4312	0	0	0	13	0	0	0	0	0	443	0	431	5199
	30.7%	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.3%	0.0%	-100.0%	16.0%
12/79	7099	0	0	0	17	0	0	0	0	0	544	0	0	7660
12/78	7105	0	0	0	19	0	0	0	0	0	249	0	627	8000
	-0.1%	0.0%	0.0%	0.0%	-10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	118.5%	0.0%	-100.0%	-4.3%
1/80	7774	0	0	0	21	0	0	0	0	0	611	0	0	8406
1/79	10026	0	0	0	26	0	0	0	0	0	706	0	0	10758
	-22.5%	0.0%	0.0%	0.0%	-19.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.5%	0.0%	0.0%	-21.9%
2/80	10702	0	0	0	20	0	0	0	0	0	0	0	0	10722
2/79	11475	0	0	0	23	0	0	0	0	0	754	0	0	12252
	-6.7%	0.0%	0.0%	0.0%	-13.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-12.5%
3/80	8517	0	0	0	18	0	0	0	0	0	0	0	0	8535
3/79	7040	0	0	0	15	0	0	0	0	0	616	0	0	7671
	21.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	11.3%
4/80	5860	0	0	0	10	0	0	0	0	0	0	0	0	5870
4/79	5502	0	0	0	11	0	0	0	0	0	475	0	0	5988
	6.5%	0.0%	0.0%	0.0%	-9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-2.0%
SUMMER TOTAL														
	22006	0	0	0	36	0	0	0	0	0	914	0	0	22956
	21688	0	0	0	38	0	0	0	0	0	1687	1	0	23414
	1.5%	0.0%	0.0%	0.0%	-5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-45.8%	-100.0%	0.0%	-2.0%
WINTER TOTAL														
	39726	0	0	0	90	0	0	0	0	0	1539	0	0	41355
	39958	0	0	0	96	0	0	0	0	0	2760	0	1058	43880
	-0.6%	0.0%	0.0%	0.0%	-6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-44.4%	0.0%	-100.0%	-5.8%
YEAR TOTAL														
	61732	0	0	0	126	0	0	0	0	0	2453	0	0	64311
	61646	0	0	0	134	0	0	0	0	0	4455	1	1058	67294
	0.1%	0.0%	0.0%	0.0%	-6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-44.9%	-100.0%	-100.0%	-4.4%

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Table B-4. Comparison Between Two Years of Actual Gas Supply For East Ohio Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAUREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	0	21405	0	0	5591	0	0	0	0	4250	0	255	0	31501
5/78	0	22103	0	0	5061	0	0	0	0	3676	0	186	0	31026
	0.0%	-3.2%	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	15.6%	0.0%	37.1%	0.0%	1.5%
6/79	0	16314	0	0	5384	0	0	0	0	4743	0	148	0	26589
6/78	0	16261	0	0	5106	0	0	0	0	4428	0	129	0	25924
	0.0%	0.3%	0.0%	0.0%	5.4%	0.0%	0.0%	0.0%	0.0%	7.1%	0.0%	14.7%	0.0%	2.6%
7/79	0	14833	0	0	5519	0	0	0	0	4287	0	150	0	24789
7/78	0	13669	0	0	4938	0	0	0	0	4238	0	125	0	22970
	0.0%	8.5%	0.0%	0.0%	11.8%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	20.0%	0.0%	7.9%
8/79	0	14588	0	0	5565	0	0	0	0	4514	0	143	0	24810
8/78	0	13992	0	0	5180	0	0	0	0	4220	0	139	0	23531
	0.0%	4.3%	0.0%	0.0%	7.4%	0.0%	0.0%	0.0%	0.0%	7.0%	0.0%	2.9%	0.0%	5.4%
9/79	0	14480	0	0	5361	0	0	0	0	5114	0	148	0	25103
9/78	0	14128	0	0	5252	0	0	0	0	4701	0	115	0	24194
	0.0%	2.5%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	8.8%	0.0%	28.7%	0.0%	3.7%
10/79	0	23522	0	0	5655	0	0	0	0	4390	0	191	0	33758
10/78	0	23205	0	0	5454	0	0	0	0	4144	0	120	0	32923
	0.0%	1.4%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%	59.2%	0.0%	2.5%
11/79	0	16191	0	0	5395	0	0	0	0	4805	0	7955	0	34346
11/78	0	19400	0	0	4998	0	0	0	0	4600	0	6029	0	35027
	0.0%	-16.5%	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	31.9%	0.0%	-1.9%
12/79	0	15523	0	0	5603	0	0	0	0	4920	0	18419	0	44465
12/78	0	19100	0	0	5237	0	0	0	0	4718	0	19557	0	48612
	0.0%	-18.7%	0.0%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	-5.8%	0.0%	-8.5%
1/80	0	27304	0	0	5577	0	0	0	0	4950	0	15021	0	52852
1/79	0	36496	0	0	5047	0	0	0	0	4220	0	15664	0	61427
	0.0%	-25.2%	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	17.3%	0.0%	-4.1%	0.0%	-14.0%
2/80	0	30233	0	0	5367	0	0	0	0	3253	0	10437	0	49290
2/79	0	37101	0	0	4742	0	0	0	0	4358	0	12435	0	58636
	0.0%	-18.5%	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	-25.4%	0.0%	-16.1%	0.0%	-15.9%
3/80	0	23793	0	0	5722	0	0	0	0	4321	0	9082	0	42918
3/79	0	22381	0	0	5399	0	0	0	0	3703	0	7926	0	39409
	0.0%	6.3%	0.0%	0.0%	6.0%	0.0%	0.0%	0.0%	0.0%	16.7%	0.0%	14.6%	0.0%	8.9%
4/80	0	25845	0	0	5477	0	0	0	0	4410	0	380	0	36112
4/79	0	28498	0	0	5358	0	0	0	0	4288	0	994	0	39138
	0.0%	-9.3%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	-61.8%	0.0%	-7.7%
SUMMER TOTAL														
	0	130987	0	0	38552	0	0	0	0	31708	0	1415	0	202662
	0	131856	0	0	36349	0	0	0	0	29695	0	1808	0	199708
	0.0%	-0.7%	0.0%	0.0%	6.1%	0.0%	0.0%	0.0%	0.0%	6.8%	0.0%	-21.7%	0.0%	1.5%
WINTER TOTAL														
	0	113044	0	0	27644	0	0	0	0	22249	0	60914	0	223871
	0	134478	0	0	25423	0	0	0	0	21599	0	61611	0	243111
	0.0%	-15.9%	0.0%	0.0%	8.8%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	-1.1%	0.0%	-7.9%
YEAR TOTAL														
	0	244031	0	0	66216	0	0	0	0	53957	0	62329	0	426533
	0	266334	0	0	61772	0	0	0	0	51294	0	63419	0	442819
	0.0%	-8.4%	0.0%	0.0%	7.2%	0.0%	0.0%	0.0%	0.0%	5.2%	0.0%	-1.7%	0.0%	-3.7%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-5. Comparison Between Two Years of Actual Gas Supply For National Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID ATED GAS	[illegible]	MICH. MISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	0	0	0	0	0	123	609	0	0	379	0	16	-62	1065
5/78	143	0	0	0	0	0	576	0	0	511	0	7	26	1263
	-100.0%	0.0%	0.0%	0.0%	0.0%	999.9%	5.7%	0.0%	0.0%	-25.8%	0.0%	128.6%	-338.5%	-15.7%
6/79	0	0	0	0	0	116	542	0	0	387	0	5	-20	1030
6/78	142	0	0	0	0	0	567	0	0	443	0	3	-58	1097
	-100.0%	0.0%	0.0%	0.0%	0.0%	999.9%	-4.4%	0.0%	0.0%	-12.6%	0.0%	66.7%	65.5%	-6.1%
7/79	0	0	0	0	0	112	572	0	0	417	0	9	-21	1089
7/78	140	0	0	0	0	0	538	0	0	413	0	4	-2	1093
	-100.0%	0.0%	0.0%	0.0%	0.0%	999.9%	6.3%	0.0%	0.0%	1.0%	0.0%	125.0%	-950.0%	-0.4%
8/79	0	0	0	0	0	125	654	0	0	473	0	4	-16	1240
8/78	138	0	0	0	0	0	510	0	0	447	0	1	-29	1087
	-100.0%	0.0%	0.0%	0.0%	0.0%	999.9%	28.2%	0.0%	0.0%	1.3%	0.0%	300.0%	44.8%	14.1%
9/79	0	0	0	0	0	110	595	0	0	507	0	1	-49	1164
9/78	0	0	0	0	0	139	426	0	0	489	0	1	-19	1036
	0.0%	0.0%	0.0%	0.0%	0.0%	-20.9%	39.7%	0.0%	0.0%	3.7%	0.0%	0.0%	-157.9%	12.4%
10/79	0	0	0	0	0	129	642	0	0	531	0	24	-102	1224
10/78	0	0	0	0	0	152	561	0	0	513	0	24	-150	1100
	0.0%	0.0%	0.0%	0.0%	0.0%	-15.1%	14.4%	0.0%	0.0%	3.5%	0.0%	0.0%	32.0%	11.3%
11/79	0	0	0	0	0	153	534	0	0	533	0	131	-67	1284
11/78	0	0	0	0	0	123	550	0	0	525	0	48	-62	1184
	0.0%	0.0%	0.0%	0.0%	0.0%	24.4%	-2.9%	0.0%	0.0%	1.5%	0.0%	172.9%	-8.1%	8.4%
12/79	0	0	0	0	0	142	621	0	0	522	0	216	-87	1414
12/78	0	0	0	0	0	136	521	0	0	436	0	78	-100	1071
	0.0%	0.0%	0.0%	0.0%	0.0%	4.4%	19.2%	0.0%	0.0%	19.7%	0.0%	176.9%	13.0%	32.0%
1/80	0	0	0	0	0	157	686	0	0	467	0	217	9	1536
1/79	0	0	0	0	0	139	605	0	0	404	0	315	-113	1350
	0.0%	0.0%	0.0%	0.0%	0.0%	12.9%	13.4%	0.0%	0.0%	15.6%	0.0%	-31.1%	108.0%	13.8%
2/80	0	0	0	0	0	130	647	0	0	492	0	352	2	1623
2/79	0	0	0	0	0	121	465	0	0	368	0	385	6	1345
	0.0%	0.0%	0.0%	0.0%	0.0%	7.4%	39.1%	0.0%	0.0%	33.7%	0.0%	-8.6%	-66.7%	20.7%
3/80	0	0	0	0	0	133	640	0	0	466	0	268	96	1603
3/79	0	0	0	0	0	128	525	0	0	380	0	111	114	1258
	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%	21.9%	0.0%	0.0%	22.6%	0.0%	141.4%	-15.8%	27.4%
4/80	0	0	0	0	0	148	544	0	0	532	0	51	4	1281
4/79	0	0	0	0	0	125	586	0	0	424	0	51	-49	1137
	0.0%	0.0%	0.0%	0.0%	0.0%	18.4%	-6.8%	0.0%	0.0%	25.5%	0.0%	0.0%	108.2%	12.7%
SUMMER TOTAL														
	0	0	0	0	0	863	4160	0	0	3226	0	110	-266	8093
	563	0	0	0	0	416	3764	0	0	3260	0	91	-281	7813
	-100.0%	0.0%	0.0%	0.0%	0.0%	107.5%	10.5%	0.0%	0.0%	-1.0%	0.0%	20.9%	5.3%	3.6%
WINTER TOTAL														
	0	0	0	0	0	715	3128	0	0	2480	0	1184	-47	7460
	0	0	0	0	0	647	2666	0	0	2113	0	937	-155	6208
	0.0%	0.0%	0.0%	0.0%	0.0%	10.5%	17.3%	0.0%	0.0%	17.4%	0.0%	26.4%	69.7%	20.2%
YEAR TOTAL														
	0	0	0	0	0	1578	7288	0	0	5706	0	1294	-313	15553
	563	0	0	0	0	1063	6430	0	0	5373	0	1028	-436	14021
	-100.0%	0.0%	0.0%	0.0%	0.0%	48.4%	13.3%	0.0%	0.0%	6.2%	0.0%	25.9%	28.2%	10.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-6. Comparison Between Two Years of Actual Gas Supply For Ohio Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	0	2	0	0	344	0	0	0	0	40	0	0	3	387
5/78	0	0	0	0	312	0	0	0	68	5	0	0	16	403
	0.0%	0.0%	0.0%	0.0%	10.3%	0.0%	0.0%	0.0%	-100.0%	700.0%	0.0%	0.0%	-81.3%	-4.0%
6/79	0	0	0	0	221	0	0	0	0	66	0	0	5	292
6/78	0	0	0	0	250	0	0	0	66	5	0	0	1	322
	0.0%	0.0%	0.0%	0.0%	-11.6%	0.0%	0.0%	0.0%	-100.0%	1220.0%	0.0%	0.0%	400.0%	-9.3%
7/79	0	0	0	0	196	0	0	0	0	69	0	0	5	270
7/78	0	0	0	0	181	0	0	0	35	5	0	0	22	242
	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	-100.0%	1280.0%	0.0%	0.0%	-77.3%	11.6%
8/79	0	0	0	0	185	0	0	0	0	84	0	0	5	274
8/78	0	0	0	0	223	0	0	0	43	5	0	0	22	294
	0.0%	0.0%	0.0%	0.0%	-17.0%	0.0%	0.0%	0.0%	-100.0%	1580.0%	0.0%	0.0%	-77.3%	-6.8%
9/79	0	0	0	0	227	0	0	0	0	72	0	0	0	299
9/78	0	0	0	0	243	0	0	0	0	5	0	0	4	252
	0.0%	0.0%	0.0%	0.0%	-6.6%	0.0%	0.0%	0.0%	0.0%	1340.0%	0.0%	0.0%	-100.0%	18.7%
10/79	0	0	0	0	463	0	0	0	0	70	0	0	4	537
10/78	0	0	0	0	497	0	0	0	39	6	0	0	1	543
	0.0%	0.0%	0.0%	0.0%	-6.8%	0.0%	0.0%	0.0%	-100.0%	1066.7%	0.0%	0.0%	300.0%	-1.1%
11/79	0	0	0	0	666	0	0	0	0	97	0	0	16	779
11/78	0	0	0	0	661	0	0	0	0	36	0	0	1	698
	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	169.4%	0.0%	0.0%	1500.0%	11.6%
12/79	0	0	0	0	809	0	0	0	0	68	0	0	24	901
12/78	0	0	0	0	905	0	0	0	0	37	0	0	37	979
	0.0%	0.0%	0.0%	0.0%	-10.6%	0.0%	0.0%	0.0%	0.0%	83.8%	0.0%	0.0%	-35.1%	-8.0%
1/80	0	0	0	0	1014	0	0	0	0	62	0	0	20	1096
1/79	0	0	0	0	1096	0	0	0	0	34	0	68	32	1230
	0.0%	0.0%	0.0%	0.0%	-7.5%	0.0%	0.0%	0.0%	0.0%	82.4%	0.0%	-100.0%	-37.5%	-10.9%
2/80	0	0	0	0	967	0	0	0	0	63	0	0	20	1050
2/79	0	0	0	0	942	0	0	0	0	42	0	109	37	1130
	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	-100.0%	-45.9%	-7.1%
3/80	0	0	0	0	816	0	0	0	0	68	0	0	20	904
3/79	0	0	0	0	915	0	0	0	0	22	0	0	31	968
	0.0%	0.0%	0.0%	0.0%	-10.8%	0.0%	0.0%	0.0%	0.0%	209.1%	0.0%	0.0%	-35.5%	-6.6%
4/80	0	0	0	0	439	0	0	0	0	64	0	0	20	523
4/79	0	0	0	0	570	0	0	0	0	21	0	2	20	613
	0.0%	0.0%	0.0%	0.0%	-23.0%	0.0%	0.0%	0.0%	0.0%	204.8%	0.0%	-100.0%	0.0%	-14.7%
SUMMER TOTAL														
	0	0	0	0	2075	0	0	0	0	465	0	0	42	2582
	0	0	0	0	2276	0	0	0	251	52	0	2	84	2669
	0.0%	0.0%	0.0%	0.0%	-8.8%	0.0%	0.0%	0.0%	-100.0%	794.2%	0.0%	-100.0%	-51.2%	-3.3%
WINTER TOTAL														
	0	0	0	0	4272	0	0	0	0	358	0	0	100	4730
	0	0	0	0	4519	0	0	0	0	171	0	177	138	5005
	0.0%	0.0%	0.0%	0.0%	-5.5%	0.0%	0.0%	0.0%	0.0%	109.4%	0.0%	-100.0%	-27.5%	-5.5%
YEAR TOTAL														
	0	0	0	0	6347	0	0	0	0	823	0	0	142	7312
	0	0	0	0	6795	0	0	0	251	223	0	179	224	7674
	0.0%	0.0%	0.0%	0.0%	-6.6%	0.0%	0.0%	0.0%	-100.0%	269.1%	0.0%	-100.0%	-36.6%	-4.7%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-7. Comparison Between Two Years of Actual Gas Supply For River Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	0	108	0	0	0	0	0	0	0	153	0	0	0	261
5/78	0	163	0	0	0	0	0	0	0	125	0	0	0	288
	0.0%	-33.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	22.4%	0.0%	0.0%	0.0%	-9.4%
6/79	0	57	0	0	0	0	0	0	0	172	0	0	0	229
6/78	0	118	0	0	0	0	0	0	0	120	0	0	0	238
	0.0%	-51.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	43.3%	0.0%	0.0%	0.0%	-3.8%
7/79	0	49	0	0	0	0	0	0	0	112	0	0	0	161
7/78	0	51	0	0	0	0	0	0	0	86	0	0	0	137
	0.0%	-3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30.2%	0.0%	0.0%	0.0%	17.5%
8/79	0	51	0	0	0	0	0	0	0	116	0	0	0	167
8/78	0	99	0	0	0	0	0	0	0	90	0	0	0	189
	0.0%	-48.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	28.9%	0.0%	0.0%	0.0%	-11.6%
9/79	0	74	0	0	0	0	0	0	0	152	0	0	0	226
9/78	0	61	0	0	0	0	0	0	0	104	0	0	0	165
	0.0%	21.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	46.2%	0.0%	0.0%	0.0%	37.0%
10/79	0	187	0	0	0	0	0	0	0	139	0	0	0	326
10/78	0	181	0	0	0	0	0	0	0	131	0	0	0	312
	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%	0.0%	0.0%	4.5%
11/79	0	257	0	0	0	0	0	0	0	163	0	0	0	420
11/78	0	307	0	0	0	0	0	0	0	145	0	0	0	452
	0.0%	-16.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.4%	0.0%	0.0%	0.0%	-7.1%
12/79	0	372	0	0	0	0	0	0	0	196	0	0	0	568
12/78	0	504	0	0	0	0	0	0	0	169	0	0	0	673
	0.0%	-26.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.0%	0.0%	0.0%	0.0%	-15.6%
1/80	0	468	0	0	0	0	0	0	0	159	0	0	0	627
1/79	0	768	0	0	0	0	0	0	0	120	0	0	0	888
	0.0%	-39.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	32.5%	0.0%	0.0%	0.0%	-29.4%
2/80	0	559	0	0	0	0	0	0	0	154	0	0	0	713
2/79	0	697	0	0	0	0	0	0	0	111	0	0	0	808
	0.0%	-19.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.7%	0.0%	0.0%	0.0%	-11.8%
3/80	0	415	0	0	0	0	0	0	0	146	0	0	0	561
3/79	0	369	0	0	0	0	0	0	0	119	0	0	0	488
	0.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	22.7%	0.0%	0.0%	0.0%	15.0%
4/80	0	195	0	0	0	0	0	0	0	180	0	0	0	375
4/79	0	227	0	0	0	0	0	0	0	175	0	0	0	402
	0.0%	-14.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	-6.7%
SUMMER TOTAL														
	0	721	0	0	0	0	0	0	0	1024	0	0	0	1745
	0	900	0	0	0	0	0	0	0	831	0	0	0	1731
	0.0%	-19.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.2%	0.0%	0.0%	0.0%	0.8%
WINTER TOTAL														
	0	2071	0	0	0	0	0	0	0	818	0	0	0	2889
	0	2645	0	0	0	0	0	0	0	664	0	0	0	3309
	0.0%	-21.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.2%	0.0%	0.0%	0.0%	-12.7%
YEAR TOTAL														
	0	2792	0	0	0	0	0	0	0	1842	0	0	0	4634
	0	3545	0	0	0	0	0	0	0	1495	0	0	0	5040
	0.0%	-21.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.2%	0.0%	0.0%	0.0%	-8.1%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-8. Comparison Between Two Years of Actual Gas Supply For West Ohio Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
5/79	580	0	0	10	0	0	0	0	0	0	57	0	0	647
5/78	655	0	0	63	0	0	0	0	0	0	58	0	0	776
	-11.5%	0.0%	0.0%	-84.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.7%	0.0%	0.0%	-16.6%
6/79	503	0	0	7	0	0	0	0	0	0	40	0	0	550
6/78	408	0	0	66	0	0	0	0	0	0	40	0	0	514
	23.3%	0.0%	0.0%	-89.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%
7/79	412	0	0	6	0	0	0	0	0	0	34	0	0	452
7/78	340	0	0	54	0	0	0	0	0	0	34	0	0	428
	21.2%	0.0%	0.0%	-88.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.6%
8/79	432	0	0	7	0	0	0	0	0	0	38	0	0	477
8/78	422	0	0	58	0	0	0	0	0	0	37	0	0	517
	2.4%	0.0%	0.0%	-87.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	-7.7%
9/79	504	0	0	33	0	0	0	0	0	0	34	0	0	571
9/78	439	0	0	57	0	0	0	0	0	0	48	0	0	544
	14.8%	0.0%	0.0%	-42.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-29.2%	0.0%	0.0%	5.0%
10/79	875	0	0	100	0	0	0	0	0	0	63	0	0	1038
10/78	1113	0	0	112	0	0	0	0	0	0	72	0	0	1297
	-21.4%	0.0%	0.0%	-10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.5%	0.0%	0.0%	-20.0%
11/79	1309	0	0	136	0	0	0	0	0	0	90	0	0	1535
11/78	1051	0	0	126	0	0	0	0	0	0	104	200	0	1481
	24.5%	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.5%	-100.0%	0.0%	3.6%
12/79	1562	0	0	159	0	0	0	0	0	0	120	0	0	1841
12/78	1711	0	0	171	0	0	0	0	0	0	139	0	0	2021
	-8.7%	0.0%	0.0%	-7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.7%	0.0%	0.0%	-8.9%
1/80	1941	0	0	190	0	0	0	0	0	0	129	0	0	2260
1/79	2316	0	0	202	0	0	0	0	0	0	150	0	0	2668
	-16.2%	0.0%	0.0%	-5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.0%	0.0%	0.0%	-15.3%
2/80	1895	0	0	191	0	0	0	0	0	0	111	0	0	2197
2/79	2163	0	0	184	0	0	0	0	0	0	125	0	0	2472
	-12.4%	0.0%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.2%	0.0%	0.0%	-11.1%
3/80	1575	0	0	158	0	0	0	0	0	0	99	0	0	1832
3/79	1383	0	0	143	0	0	0	0	0	0	112	0	0	1638
	13.9%	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.6%	0.0%	0.0%	11.8%
4/80	967	0	0	95	0	0	0	0	0	0	77	0	0	1139
4/79	1099	0	0	26	0	0	0	0	0	0	77	0	0	1202
	-12.0%	0.0%	0.0%	265.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.2%
SUMMER TOTAL														
	4273	0	0	258	0	0	0	0	0	0	343	0	0	4874
	4476	0	0	436	0	0	0	0	0	0	366	0	0	5278
	-4.5%	0.0%	0.0%	-40.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.3%	0.0%	0.0%	-7.7%
WINTER TOTAL														
	8282	0	0	834	0	0	0	0	0	0	549	0	0	9665
	8624	0	0	826	0	0	0	0	0	0	630	200	0	10280
	-4.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.9%	-100.0%	0.0%	-6.0%
YEAR TOTAL														
	12555	0	0	1092	0	0	0	0	0	0	892	0	0	14539
	13100	0	0	1262	0	0	0	0	0	0	996	200	0	15558
	-4.2%	0.0%	0.0%	-13.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-10.4%	-100.0%	0.0%	-6.5%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-9. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For Cincinnati Gas and Electric Company by Sector (MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	138	1788	1161	3243	-472	0	5720	0
5/79	179	1984	1082	2493	-685	0	4874	0
	-22.9%	-9.9%	7.3%	30.1%	31.1%	0.0%	17.4%	0.0%
6/80	9	998	795	3037	-118	0	4712	0
6/79	15	1159	711	2283	-415	0	3738	0
	-40.0%	-13.9%	11.8%	33.0%	71.6%	0.0%	26.1%	0.0%
7/80	0	761	631	3051	401	0	4844	0
7/79	1	855	552	2140	-6	0	3541	0
	-100.0%	-11.0%	14.3%	42.6%	6783.3%	0.0%	36.8%	0.0%
8/80	0	760	631	3092	350	0	4833	0
8/79	14	760	494	2073	146	0	3473	0
	-100.0%	0.0%	27.7%	49.2%	139.7%	0.0%	39.2%	0.0%
9/80	44	768	668	3094	175	0	4705	4701
9/79	60	843	526	1777	153	0	3299	0
	-26.7%	-8.9%	27.0%	74.1%	14.4%	0.0%	42.6%	999.9%
10/80	271	1449	987	3268	1463	0	7167	0
10/79	346	1516	876	2175	1783	0	6350	0
	-21.7%	-4.4%	12.7%	50.3%	-17.9%	0.0%	12.9%	0.0%
11/80	636	2913	1830	3464	2233	0	10440	0
11/79	616	3095	1749	2489	1590	0	8923	0
	3.2%	-5.9%	4.6%	39.2%	40.4%	0.0%	17.0%	0.0%
12/80	970	5550	3327	3908	1500	0	14285	0
12/79	887	4845	2764	2992	1067	0	11668	0
	9.4%	14.6%	20.4%	30.6%	40.6%	0.0%	22.4%	0.0%
1/81	1051	7448	2833	4095	822	0	15198	0
1/80	1080	6008	3374	3098	1062	0	13542	0
	-2.7%	24.0%	-16.0%	32.2%	-22.6%	0.0%	12.2%	0.0%
2/81	888	7019	2713	3959	-374	0	13317	0
2/80	1182	6667	3669	3249	96	0	13681	0
	-24.9%	5.3%	-26.1%	21.9%	-489.6%	0.0%	-2.7%	0.0%
3/81	722	6617	2474	3864	-761	0	12194	0
3/80	814	6051	3333	2956	-1239	0	11101	0
	-11.3%	9.4%	-25.8%	30.7%	38.6%	0.0%	9.8%	0.0%
4/81	341	4243	1718	3801	-1186	0	8576	0
4/80	434	3776	2140	2266	-1580	0	6602	0
	-21.4%	12.4%	-19.7%	67.7%	24.9%	0.0%	29.9%	0.0%
SUMMER TOTAL								
	803	10767	6591	22586	613	0	40557	4701
	1049	10893	6381	15207	-604	0	31877	0
	-23.5%	-1.2%	3.3%	48.5%	201.5%	0.0%	27.2%	999.9%
WINTER TOTAL								
	4267	29547	13177	19290	3420	0	65434	0
	4579	26666	14889	14784	2576	0	58915	0
	-6.8%	10.8%	-11.5%	30.5%	32.8%	0.0%	11.1%	0.0%
YEAR TOTAL								
	5070	40314	19768	41876	4033	0	105991	4701
	5628	37559	21270	29991	1972	0	90792	0
	-9.9%	7.3%	-7.1%	39.6%	104.5%	0.0%	16.7%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-10. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For Columbia Gas Company by Sector (MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	288	7914	3359	12600	-2740	1577	22710	0
5/79	290	7749	3196	10971	-1932	868	20852	0
	-0.7%	2.1%	5.1%	14.8%	-41.8%	81.7%	8.9%	0.0%
6/80	85	4189	1943	11900	-1050	1526	18508	0
6/79	103	4615	1839	10342	-1374	0	15422	0
	-17.5%	-9.2%	5.7%	15.1%	23.6%	999.9%	20.0%	0.0%
7/80	0	3051	1597	11300	-546	1506	16908	0
7/79	36	3557	1486	9619	-361	0	14301	600
	-100.0%	-14.2%	7.5%	17.5%	-51.2%	999.9%	18.2%	-100.0%
8/80	0	3049	1597	11500	450	1045	17641	0
8/79	15	3123	1511	10331	292	0	15257	0
	-100.0%	-2.4%	5.7%	11.3%	54.1%	999.9%	15.6%	0.0%
9/80	38	3220	1626	11800	1621	649	18916	0
9/79	59	3432	1518	10597	535	0	16082	0
	-35.6%	-6.2%	7.1%	11.4%	203.0%	999.9%	17.6%	0.0%
10/80	197	5919	2583	12100	4203	238	25043	0
10/79	274	7049	2744	10381	4170	0	24344	0
	-28.1%	-16.0%	-5.9%	16.6%	0.8%	999.9%	2.9%	0.0%
11/80	570	12165	5258	14190	4375	0	35988	0
11/79	577	12167	4970	12412	3326	0	32875	0
	-1.2%	-0.0%	5.8%	14.3%	31.5%	0.0%	9.5%	0.0%
12/80	951	19112	8096	13741	5420	0	46369	0
12/79	838	17498	7128	12362	4402	0	41390	0
	13.5%	9.2%	13.6%	11.2%	23.1%	0.0%	12.0%	0.0%
1/81	1173	23511	9972	15623	5490	0	54596	0
1/80	1078	22384	9132	14118	3669	0	49303	0
	8.8%	5.0%	9.2%	10.7%	49.6%	0.0%	10.7%	0.0%
2/81	1102	22796	9704	15276	-2858	0	44918	0
2/80	1232	24994	10230	14406	-388	0	49242	0
	-10.6%	-8.8%	-5.1%	6.0%	-636.6%	0.0%	-8.8%	0.0%
3/81	918	19931	8370	14143	-3172	0	39272	0
3/80	1040	21292	8834	14226	-2046	0	42306	0
	-11.7%	-6.4%	-5.3%	-0.6%	-55.0%	0.0%	-7.2%	0.0%
4/81	560	13357	5586	12853	-3154	45	28687	0
4/80	604	14080	5875	13094	-4299	0	27750	0
	-7.3%	-5.1%	-4.9%	6.3%	26.6%	999.9%	3.4%	0.0%
SUMMER TOTAL								
	1168	40699	18291	84053	-1216	6586	148413	0
	1381	43605	18169	74335	-2969	868	134008	600
	-15.4%	-6.7%	0.7%	13.1%	59.0%	658.8%	10.7%	-100.0%
WINTER TOTAL								
	4714	97515	41400	72973	9255	0	221143	0
	4765	98335	40294	67524	8963	0	215116	0
	-1.1%	-0.8%	2.7%	8.1%	3.3%	0.0%	2.8%	0.0%
YEAR TOTAL								
	5882	138214	59691	157026	8039	6586	369556	0
	6146	141940	58463	141859	5994	868	349124	600
	-4.3%	-2.6%	2.1%	10.7%	34.1%	658.8%	5.9%	-100.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

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(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-11. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For Dayton Power and Light Company by Sector (MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	283	1899	489	1238	279	0	3905	-1385
5/79	176	1949	507	1186	-264	0	3378	0
	60.8%	-2.6%	-3.6%	4.4%	205.7%	0.0%	15.6%	999.9%
6/80	83	1012	297	1086	17	178	2590	0
6/79	99	1128	323	1132	263	137	2983	0
	-16.2%	-10.3%	-8.0%	-4.1%	-93.5%	29.9%	-13.2%	0.0%
7/80	9	681	261	948	169	0	2059	0
7/79	28	751	262	954	214	133	2314	0
	-67.9%	-9.3%	-0.4%	-0.6%	-21.0%	-100.0%	-11.0%	0.0%
8/80	0	640	743	1056	225	0	2164	0
8/79	15	672	238	941	355	137	2343	0
	-100.0%	-4.8%	212.2%	12.2%	-36.6%	-100.0%	-7.6%	0.0%
9/80	29	774	261	1130	308	0	2473	0
9/79	56	753	252	1011	338	53	2407	0
	-48.2%	2.8%	3.6%	11.8%	-8.9%	-100.0%	2.7%	0.0%
10/80	188	1499	396	1256	637	0	3788	0
10/79	259	1387	424	1163	687	0	3661	0
	-27.4%	8.1%	-6.6%	8.0%	-7.3%	0.0%	3.5%	0.0%
11/80	509	2966	1091	1754	388	0	6199	0
11/79	534	2775	1098	1705	454	0	6032	0
	-4.7%	6.9%	-0.6%	2.9%	-14.5%	0.0%	2.8%	0.0%
12/80	867	4573	1593	1990	500	0	8656	0
12/79	754	4028	1467	1647	518	0	7660	0
	15.0%	13.5%	8.6%	20.8%	-3.5%	0.0%	13.0%	0.0%
1/81	1104	5675	1985	2006	95	0	9761	0
1/80	986	4965	1746	1780	-85	0	8406	0
	12.0%	14.3%	13.7%	12.7%	211.8%	0.0%	16.1%	0.0%
2/81	1108	5662	2048	2112	201	0	10023	0
2/80	1230	5822	2046	2084	770	0	10722	0
	-9.9%	-2.7%	0.1%	1.3%	-73.9%	0.0%	-6.5%	0.0%
3/81	878	4592	1741	1884	-331	0	7886	0
3/80	1062	5124	1801	1882	-274	0	8535	0
	-17.3%	-10.4%	-3.3%	0.1%	-20.8%	0 0%	-7.6%	0.0%
4/81	616	3430	1124	1512	-230	0	5836	0
4/80	652	3468	1258	1285	-141	0	5870	0
	-5.5%	-1.1%	-10.7%	17.7%	-63.1%	0.0%	-0.6%	0.0%
SUMMER TOTAL	1208	9935	3571	8226	1405	178	22815	-1385
	1285	10108	3264	7672	1452	460	22956	0
	-6.0%	-1.7%	9.4%	7.2%	-3.2%	-61.3%	-0.6%	999.9%
WINTER TOTAL	4466	23468	8458	9746	853	0	42525	0
	4566	22716	8158	9098	1383	0	41355	0
	-2.2%	3.3%	3.7%	7.1%	-38.3%	0.0%	2.8%	0.0%
YEAR TOTAL	5674	33403	12029	17972	2258	178	65340	-1385
	5851	32824	11422	16770	2835	460	64311	0
	-3.0%	1.8%	5.3%	7.2%	-20.4%	-61.3%	1.6%	999.9%

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(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-12. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For East Ohio Gas Company by Sector
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	344	10746	4157	10585	-1976	10200	33712	0
5/79	363	10264	3702	10863	-3275	9947	31501	0
	-5.2%	4.7%	12.3%	-2.6%	39.7%	2.5%	7.0%	0.0%
6/80	121	6425	2545	10049	-1767	9700	26952	0
6/79	158	6225	2266	10237	-1543	9404	26589	0
	-23.4%	3.2%	12.3%	-1.8%	-14.5%	3.1%	1.4%	0.0%
7/80	10	4172	1695	8977	378	9400	24622	0
7/79	58	4182	1710	9191	301	9405	24789	0
	-82.8%	-0.2%	-0.9%	-2.3%	25.6%	-0.1%	-0.7%	0.0%
8/80	12	3871	1569	9111	866	8700	24117	0
8/79	13	4567	1831	9476	-205	9141	24810	0
	-7.7%	-15.2%	-14.3%	-3.9%	522.4%	-4.8%	-2.8%	0.0%
9/80	50	4678	1872	9781	2193	8300	26824	-6670
9/79	57	3556	1674	9161	1906	8806	25103	0
	-12.3%	31.6%	11.8%	6.8%	15.1%	-5.7%	6.9%	999.9%
10/80	205	7776	3027	10719	5156	6816	33494	0
10/79	273	7557	3203	10528	5258	7212	33758	0
	-24.9%	2.9%	-5.5%	1.8%	-1.9%	-5.5%	-0.8%	0.0%
11/80	534	13683	5240	10999	6732	0	36654	0
11/79	569	13777	5708	10806	4062	13	34346	0
	-6.2%	-0.7%	-8.2%	1.8%	66.6%	-100.0%	6.7%	0.0%
12/80	946	22875	8692	12293	5293	0	49153	0
12/79	872	19747	7782	11355	5092	489	44465	0
	8.5%	15.8%	11.7%	8.3%	3.9%	-100.0%	10.5%	0.0%
1/81	1192	27978	10514	13209	950	1326	53977	0
1/80	1104	24612	9868	11822	6116	434	52852	0
	8.0%	13.7%	6.5%	11.7%	-84.5%	205.5%	2.1%	0.0%
2/81	1137	26258	9880	13473	-2113	1326	48824	0
2/80	1303	27723	10899	12414	-1746	0	49290	0
	-12.7%	-5.3%	-9.3%	8.5%	-21.0%	999.9%	-0.9%	0.0%
3/81	1010	23766	8960	11526	-2092	0	42160	0
3/80	1083	23638	9407	11848	-1984	9	42918	0
	-6.7%	0.5%	-4.8%	-2.7%	-5.4%	-100.0%	-1.8%	0.0%
4/81	671	16462	6263	10191	-4290	8077	36703	0
4/80	667	14096	6110	9814	-5068	9160	36112	0
	0.6%	2.3%	2.5%	3.8%	15.4%	-11.8%	1.6%	0.0%
SUMMER TOTAL								
	1413	54130	21128	69413	560	61193	206424	-6670
	1589	52447	20496	69270	-2424	63075	202662	0
	-11.1%	3.2%	3.1%	0.2%	121.3%	-3.0%	1.9%	999.9%
WINTER TOTAL								
	4819	114560	43286	61500	8770	2452	230768	0
	4931	109497	43664	58245	11520	945	223871	0
	-2.3%	4.6%	-0.9%	5.6%	-23.9%	160.6%	3.1%	0.0%
YEAR TOTAL								
	6232	168690	64414	130913	9330	63645	437192	-6670
	6520	161944	64160	127515	8894	64020	426533	0
	-4.4%	4.2%	0.4%	2.7%	4.9%	-0.3%	2.5%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-13. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For National Gas and Oil Company by Sector
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	188	110	55	680	20	220	1085	-170
5/79	346	88	38	780	7	152	1065	0
	-45.7%	25.0%	44.7%	-12.8%	185.7%	44.7%	1.9%	999.9%
6/80	0	40	32	640	20	220	972	-216
6/79	0	57	26	743	42	162	1030	0
	0.0%	5.3%	23.1%	-13.9%	-52.4%	35.8%	-5.6%	999.9%
7/80	0	45	25	600	15	177	862	-358
7/79	0	43	18	698	209	121	1089	0
	0.0%	4.7%	38.9%	-14.0%	-92.8%	46.3%	-20.8%	999.9%
8/80	0	40	25	680	16	244	1025	-81
8/79	0	40	18	741	241	180	1240	0
	0.0%	0.0%	38.9%	-8.2%	-93.9%	46.7%	-17.3%	999.9%
9/80	108	60	25	710	20	240	1055	-224
9/79	150	38	19	671	253	183	1164	0
	-28.0%	57.9%	31.6%	5.8%	-92.1%	31.1%	-9.4%	999.9%
10/80	393	80	50	710	15	230	1085	-161
10/79	0	72	32	731	296	93	1224	0
	999.9%	11.1%	56.3%	-2.9%	-94.9%	147.3%	-11.4%	999.9%
11/80	707	170	90	710	10	0	980	-300
11/79	742	157	78	747	277	25	1284	0
	-4.7%	8.3%	15.4%	-5.0%	-96.4%	-100.0%	-23.7%	999.9%
12/80	1060	252	122	690	10	0	1074	-220
12/79	1008	214	100	771	329	0	1414	0
	5.2%	17.8%	22.0%	-10.5%	-97.0%	0.0%	-24.0%	999.9%
1/81	1221	334	154	710	10	0	1208	-328
1/80	1171	265	120	783	368	0	1536	0
	4.3%	26.0%	28.3%	-9.3%	-97.3%	0.0%	-21.4%	999.9%
2/81	1029	340	155	710	330	0	1535	-95
2/80	1165	317	148	765	393	0	1623	0
	-11.7%	7.3%	4.7%	-7.2%	-16.0%	0.0%	-5.4%	999.9%
3/81	828	270	130	710	15	0	1125	-233
3/80	861	270	126	810	397	0	1603	0
	-3.8%	0.0%	3.2%	-12.3%	-96.2%	0.0%	-29.8%	999.9%
4/81	424	190	77	720	12	0	999	-231
4/80	473	180	84	666	340	11	1281	0
	-10.4%	5.6%	-8.3%	8.1%	-96.5%	-100.0%	-22.0%	999.9%
SUMMER TOTAL	1113	585	289	4740	118	1351	7083	-1441
	969	518	235	5030	1408	902	8093	0
	14.9%	12.9%	23.0%	-5.8%	-91.6%	49.8%	-12.5%	999.9%
WINTER TOTAL	4845	1366	651	3530	375	0	5922	-1176
	4947	1223	572	3874	1764	25	7460	0
	-2.1%	11.7%	13.8%	-8.9%	-78.7%	-100.0%	-20.6%	999.9%
YEAR TOTAL	5958	1951	940	8270	493	1351	13005	-2617
	5934	1741	807	8906	3172	927	15553	0
	0.7%	12.1%	16.5%	-7.1%	-84.5%	45.7%	-16.4%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-14. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For Ohio Gas Company by Sector (MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	203	130	59	150	16	0	355	-176
5/79	191	171	60	205	-49	0	387	0
	6.3%	-24.0%	-1.7%	-26.8%	132.7%	0.0%	-8.3%	999.9%
6/80	33	69	33	165	13	0	280	-182
6/79	13	101	32	193	-34	0	292	0
	153.8%	-31.7%	3.1%	-14.5%	138.2%	0.0%	-4.1%	999.9%
7/80	4	62	30	179	13	0	284	-139
7/79	3	57	28	181	-4	0	270	0
	33.3%	8.8%	7.1%	-1.1%	225.0%	0.0%	5.2%	999.9%
8/80	12	65	31	157	12	0	265	-208
8/79	17	57	22	159	36	0	274	0
	-29.4%	14.0%	40.9%	-1.3%	-66.7%	0.0%	-3.3%	999.9%
9/80	101	97	41	170	14	0	322	-209
9/79	98	68	29	205	-4	0	298	-1
	3.1%	42.6%	41.4%	-17.1%	450.0%	0.0%	8.1%	********
10/80	379	202	87	306	27	0	622	-79
10/79	435	121	55	265	96	0	537	0
	-12.9%	66.9%	58.2%	15.5%	-71.9%	0.0%	15.8%	999.9%
11/80	734	335	138	272	34	0	779	-190
11/79	755	247	106	312	114	0	779	0
	-2.8%	35.6%	30.2%	-12.8%	-70.2%	0.0%	0.0%	999.9%
12/80	1126	489	201	322	47	0	1059	-796
12/79	990	355	163	281	103	0	902	1
	13.7%	37.7%	23.3%	14.6%	-54.4%	0.0%	17.4%	********
1/81	1316	523	235	320	41	0	1119	-736
1/80	1225	443	201	326	126	0	1096	0
	7.4%	18.1%	16.9%	-1.8%	-67.5%	0.0%	2.1%	999.9%
2/81	1098	459	199	282	35	0	975	-709
2/80	1219	489	225	299	37	0	1050	0
	-9.9%	-6.1%	-11.6%	-5.7%	-5.4%	0.0%	-7.1%	999.9%
3/81	878	385	167	262	31	0	845	-1010
3/80	957	458	191	283	-28	0	904	0
	-8.3%	-15.9%	-12.6%	-7.4%	210.7%	0.0%	-6.5%	999.9%
4/81	473	231	99	207	20	0	557	-725
4/80	494	324	124	173	-98	0	523	0
	-4.3%	-28.7%	-20.2%	19.7%	120.4%	0.0%	6.5%	999.9%
SUMMER TOTAL								
	1205	856	380	1334	115	0	2685	-1718
	1251	899	350	1381	-49	0	2581	-1
	-3.7%	-4.8%	8.6%	-3.4%	334.7%	0.0%	4.0%	********
WINTER TOTAL								
	5152	2191	940	1458	188	0	4777	-3441
	5146	1992	884	1501	352	0	4731	1
	0.1%	10.0%	6.1%	-2.9%	-46.6%	0.0%	1.0%	********
YEAR TOTAL/								
	6357	3047	1320	2792	303	0	7462	-5159
	6397	2891	1236	2882	303	0	7312	0
	-0.6%	5.4%	6.8%	-3.1%	0.0%	0.0%	2.1%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-15. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For River Gas Company by Sector (MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	170	106	41	141	-17	0	271	0
5/79	173	121	48	161	-69	0	261	0
	-1.7%	-12.4%	-14.6%	-12.4%	75.4%	0.0%	3.8%	0.0%
6/80	34	61	22	121	-11	0	193	0
6/79	75	66	26	94	43	0	229	0
	-54.7%	-7.6%	-15.4%	28.7%	-125.6%	0.0%	-15.7%	0.0%
7/80	0	45	17	81	1	0	144	0
7/79	52	47	18	84	12	0	161	0
	-100.0%	-4.3%	-5.6%	-3.6%	-91.7%	0.0%	-10.6%	0.0%
8/80	0	44	16	101	2	0	163	0
8/79	7	38	21	92	16	0	167	0
	-100.0%	15.8%	-23.8%	9.8%	-87.5%	0.0%	-2.4%	0.0%
9/80	16	49	18	141	19	0	227	0
9/79	32	45	21	137	23	0	226	0
	-50.0%	8.9%	-14.3%	2.9%	-17.4%	0.0%	0.4%	0.0%
10/80	167	101	39	181	53	0	374	0
10/79	229	85	37	158	46	0	326	0
	-27.1%	18.8%	5.4%	14.6%	15.2%	0.0%	14.7%	0.0%
11/80	491	202	82	154	58	0	496	0
11/79	513	154	54	148	64	0	420	0
	-4.3%	31.2%	51.9%	4.1%	-9.4%	0.0%	18.1%	0.0%
12/80	817	306	125	162	70	0	663	0
12/79	0	238	89	122	119	0	568	0
	999.9%	28.6%	40.4%	32.8%	-41.2%	0.0%	16.7%	0.0%
1/81	993	367	147	235	26	0	775	0
1/80	892	352	128	140	7	0	627	0
	11.3%	4.3%	14.8%	67.9%	271.4%	0.0%	23.6%	0.0%
2/81	972	360	144	274	-25	0	753	0
2/80	1189	333	134	161	85	0	713	0
	-18.3%	8.1%	7.5%	70.2%	-129.4%	0.0%	5.6%	0.0%
3/81	711	272	106	168	10	0	556	0
3/80	840	373	135	153	-100	0	561	0
	-15.4%	-27.1%	-21.5%	9.8%	110.0%	0.0%	-0.9%	0.0%
4/81	446	187	73	133	-38	0	355	0
4/80	488	182	75	156	-38	0	375	0
	-8.6%	2.7%	-2.7%	-14.7%	0.0%	0.0%	-5.3%	0.0%
SUMMER TOTAL								
	833	593	226	899	9	0	1727	0
	1026	584	246	882	33	0	1745	0
	-18.8%	1.5%	-8.1%	1.9%	-72.7%	0.0%	-1.0%	0.0%
WINTER TOTAL								
	3984	1507	604	993	139	0	3243	0
	3434	1450	540	724	175	0	2889	0
	16.0%	3.9%	11.9%	37.2%	-20.6%	0.0%	12.3%	0.0%
YEAR TOTAL								
	4817	2100	830	1892	148	0	4970	0
	4460	2034	786	1606	208	0	4634	0
	8.0%	3.2%	5.6%	17.8%	-28.8%	0.0%	7.3%	0.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-16. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand For West Ohio Gas Company by Sector
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
5/80	338	440	235	284	-244	0	715	0
5/79	291	394	190	248	-185	0	647	0
	16.2%	11.7%	23.7%	14.5%	-31.9%	0.0%	10.5%	0.0%
6/80	114	239	133	282	-93	0	561	0
6/79	123	226	108	271	-55	0	550	0
	-7.3%	5.8%	23.1%	4.1%	-69.1%	0.0%	2.0%	0.0%
7/80	15	149	103	224	-11	0	465	0
7/79	16	141	93	190	28	0	452	0
	-6.3%	5.7%	10.8%	17.9%	-139.3%	0.0%	2.9%	0.0%
8/80	5	133	92	254	82	0	561	0
8/79	0	132	74	227	44	0	477	0
	999.9%	0.8%	24.3%	11.9%	86.4%	0.0%	17.6%	0.0%
9/80	25	158	100	290	120	0	668	0
9/79	32	149	89	265	68	0	571	0
	-21.9%	6.0%	12.4%	9.4%	76.5%	0.0%	17.0%	0.0%
10/80	158	278	154	351	328	0	1111	0
10/79	179	242	170	270	336	0	1038	0
	-11.7%	6.1%	-9.4%	30.0%	-2.4%	0.0%	7.0%	0.0%
11/80	464	559	357	352	596	0	1864	0
11/79	497	572	377	278	308	0	1535	0
	-6.6%	-2.3%	-5.3%	26.6%	93.5%	0.0%	21.4%	0.0%
12/80	811	882	545	337	281	0	2045	0
12/79	718	938	522	293	88	0	1841	0
	13.0%	-6.0%	4.4%	15.0%	219.3%	0.0%	11.1%	0.0%
1/81	1137	1183	643	363	274	0	2463	0
1/80	1026	957	537	416	350	0	2260	0
	10.8%	23.6%	19.7%	-12.7%	-21.7%	0.0%	9.0%	0.0%
2/81	1175	1219	626	381	-66	0	2160	0
2/80	1258	1088	611	393	105	0	2197	0
	-6.6%	12.0%	2.5%	-3.1%	-162.9%	0.0%	-1.7%	0.0%
3/81	907	970	558	367	-137	0	1758	0
3/80	1087	1045	559	356	-128	0	1832	0
	-16.6%	-7.2%	-0.2%	3.1%	-7.0%	0.0%	-4.0%	0.0%
4/81	710	785	370	339	-265	0	1229	0
4/80	665	754	395	287	-297	0	1139	0
	6.8%	4.1%	-6.3%	18.1%	10.8%	0.0%	7.9%	0.0%
SUMMER TOTAL	1365	2182	1187	2024	-83	0	5310	0
	1306	2058	1119	1758	-61	0	4874	0
	4.5%	6.0%	6.1%	15.1%	-36.1%	0.0%	8.9%	0.0%
WINTER TOTAL	4494	4813	2729	1800	948	0	10290	0
	4586	4600	2606	1736	723	0	9665	0
	-2.0%	4.6%	4.7%	3.7%	31.1%	0.0%	6.5%	0.0%
YEAR TOTAL	5859	6995	3916	3824	865	0	15600	0
	5892	6658	3725	3494	662	0	14539	0
	-0.6%	5.1%	5.1%	9.4%	30.7%	0.0%	7.3%	0.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

TABLE B-17 PROJECTED SUPPLY AND DEMAND
FOR EIGHT MAJOR OHIO NATURAL GAS UTILITIES

COMPANY: CINN. GAS & ELEC.

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	5720	4712	4844	4833	4	7167	10440	14285	15198	13317	12194	8576	35856	65434	101290
DEMAND	5720	4712	4844	4833	4705	7167	10440	14285	15198	13317	12194	8576	40557	65434	105991
DEFICIENCY	0	0	0	0	4701	0	0	0	0	0	0	0	4701	0	4701
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	99.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.6%	0.0%	4.4%

COMPANY: COLUMBIA GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	22710	18508	16908	17641	18916	25043	35988	46369	54596	44918	39272	28687	148413	221143	369556
DEMAND	22710	18508	16908	17641	18916	25043	35988	46369	54596	44918	39272	28687	148413	221143	369556
DEFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

COMPANY: DAYTON POWER & LIGHT

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	5290	2590	2059	2164	2473	3788	6199	8656	9761	10023	7886	5836	24200	42525	66725
DEMAND	3905	2590	2059	2164	2473	3788	6199	8656	9761	10023	7886	5836	22815	42525	65340
DEFICIENCY	-1385	0	0	0	0	0	0	0	0	0	0	0	-1385	0	-1385
% DEFICIENCY	-35.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.1%	0.0%	-2.1%

COMPANY: EAST OHIO GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	33712	26952	24622	24117	33494	33494	36654	49153	53977	48824	42160	36703	213094	230768	443862
DEMAND	33712	26952	24622	24117	26824	33494	36654	49153	53977	48824	42160	36703	206424	230768	437192
DEFICIENCY	0	0	0	0	-6670	0	0	0	0	0	0	0	-6670	0	-6670
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	-24.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.2%	0.0%	-1.5%

TABLE B-17 PROJECTED SUPPLY AND DEMAND
FOR EIGHT MAJOR OHIO NATURAL GAS UTILITIES (Con'd)

COMPANY: NATIONAL GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	1255	1188	1220	1106	1279	1246	1280	1294	1536	1630	1358	1230	8524	7098	15622
DEMAND	1085	972	862	1025	1055	1085	980	1074	1208	1535	1125	999	7083	5922	13005
DEFICIENCY	-170	-216	-358	-81	-224	-161	-300	-220	-328	-95	-233	-231	-1441	-1176	-2617
% DEFICIENCY	-15.7%	-22.2%	-41.5%	-7.9%	-21.2%	-14.8%	-30.6%	-20.5%	-27.2%	-6.2%	-20.7%	-23.1%	-20.3%	-19.9%	-20.1%

COMPANY: OHIO GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	531	462	423	473	531	701	969	1855	1855	1684	1855	1282	4403	8218	12621
DEMAND	355	280	284	265	322	622	779	1059	1119	975	845	557	2685	4777	7462
DEFICIENCY	-176	-182	-139	-208	-209	-79	-190	-796	-736	-709	-1010	-725	-1718	-3441	-5159
% DEFICIENCY	-49.6%	-65.0%	-48.9%	-78.5%	-64.9%	-12.7%	-24.4%	-75.2%	-65.8%	-72.7%	-119.5%	-130.2%	-64.0%	-72.0%	-69.1%

COMPANY: RIVER GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	271	193	144	163	227	374	496	663	775	753	556	355	1727	3243	4970
DEMAND	271	193	144	163	227	374	496	663	775	753	556	355	1727	3243	4970
DEFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

COMPANY: WEST OHIO GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	5/80	6/80	7/80	8/80	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	SUMMER	WINTER	YEAR
SUPPLY	715	561	465	561	668	1111	1864	2045	2463	2160	1758	1229	5310	10290	15600
DEMAND	715	561	465	561	668	1111	1864	2045	2463	2160	1758	1229	5310	10290	15600
DEFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Table B-18 Cincinnati Gas and Electric Company
Gas Consumption and Projected Requirements for Winter Heating Seasons
(November 1978 - March 1981)
(MMCF)

	NOV	DEC	JAN	FEB	MAR	Total
Residential						
1978/79	2,892	4,917	7,126	7,768	5,703	28,406
1979/80	3,095	4,845	6,008	6,667	6,051	26,666
1980/81*	2,913	5,550	7,448	7,019	6,617	29,547
Commercial						
1978/79	1,662	2,773	3,896	4,247	3,102	15,680
1979/80	1,749	2,764	3,374	3,669	3,333	14,489
1980/81*	1,830	3,327	2,833	2,713	2,474	13,177
Industrial						
1978/79	2,801	3,340	3,069	3,162	3,049	15,421
1979/80	2,489	2,992	3,098	3,249	2,956	14,784
1980/81*	3,464	3,908	4,095	3,959	3,864	19,290
Total						
1978/79	8,617	12,378	16,401	14,259	9,556	61,211
1979/80	8,923	11,668	13,542	13,681	11,101	58,915
1980/81*	10,440	14,285	15,198	13,317	12,194	65,434

*Projected

Source: Monthly supply and demand forecasts of the utility.

Table B-19 Columbia Gas of Ohio
Gas Consumption and Projected Requirements for Winter Heating Seasons
(November 1978 - March 1981)
(MMCF)

	NOV	DEC	JAN	FEB	MAR	Total
Residential						
1978/79	11,560	18,157	26,093	27,715	20,585	104,110
1979/80	12,167	17,498	22,384	24,994	21,292	98,335
1980/81*	12,165	19,112	23,511	22,796	19,931	97,515
Commercial						
1978/79	5,654	7,408	10,490	11,487	8,297	42,336
1979/80	4,790	7,128	9,132	10,230	8,834	40,294
1980/81*	5,258	8,096	9,972	9,704	8,370	41,400
Industrial						
1978/79	11,499	12,385	14,729	14,411	13,442	66,466
1979/80	12,412	12,362	14,118	14,406	14,226	67,524
1980/81*	14,190	13,741	15,623	15,276	14,143	72,973
Total						
1978/79	31,633	43,882	57,019	52,514	36,616	221,664
1979/80	32,875	41,390	49,303	49,242	42,306	215,116
1980/81*	35,988	46,369	54,596	44,918	39,272	221,116

*Projected

Source: Monthly supply and demand forecasts of the utility.

Table B-20 Dayton Power and Light
Gas Consumption and Projected Requirements for Winter Heating Seasons
(November 1978 - March 1981)
(MMCF)

	NOV	DEC	JAN	FEB	MAR	Total
Residential						
1978/79	2,532	4,087	5,990	6,745	4,921	24,275
1979/80	2,779	4,028	4,965	5,822	5,126	23,716
1980/81*	2,966	4,573	5,675	5,662	4,592	23,468
Commercial						
1978/79	780	1,078	1,526	1,742	1,279	6,405
1979/80	1,098	1,467	1,746	2,046	1,801	8,158
1980/81*	1,091	1,593	1,985	2,048	1,741	8,458
Industrial						
1978/79	1,475	1,065	1,905	2,167	1,653	8,265
1979/80	1,705	1,647	1,780	2,084	1,882	9,098
1980/81*	1,754	1,990	2,006	2,112	1,884	9,746
Total						
1978/79	5,199	7,390	10,758	12,252	7,671	43,270
1979/80	6,032	7,660	8,406	10,722	8,535	41,355
1980/81*	6,199	8,656	9,761	10,023	7,886	42,525

*Projected

Source: Monthly supply and demand forecasts of the utility.

Table B-21 East Ohio Gas
Gas Consumption and Projected Requirements for Winter Heating Seasons
(November 1979 - March 1981)
(MMCF)

	NOV	DEC	JAN	FEB	MAR	Total
Residential						
1978/79	12,030	21,378	29,799	31,085	23,147	117,439
1979/80	13,777	19,747	24,612	27,723	23,638	109,497
1980/81*	13,683	22,875	27,978	26,258	23,766	114,560
Commercial						
1978/79	4,927	8,552	11,794	12,331	9,005	46,609
1979/80	5,708	7,782	9,868	10,899	9,407	43,664
1980/81*	5,240	8,692	10,514	9,880	8,960	43,286
Industrial						
1978/79	11,101	12,372	13,815	14,535	12,737	64,560
1979/80	10,806	11,355	11,822	12,414	11,848	58,245
1980/81*	10,999	12,293	13,209	13,473	11,526	61,500
Total						
1978/79	35,027	48,612	61,427	58,636	39,409	243,111
1979/80	34,346	44,465	52,852	4,929	42,918	223,871
1980/81*	36,654	49,153	53,977	48,824	42,160	230,768

*Projected

Source: Monthly supply and demand forecasts of the utility.